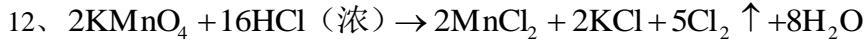
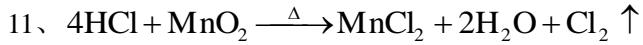
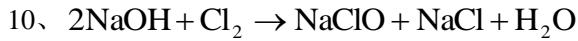
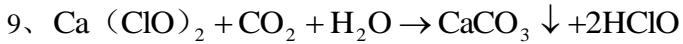
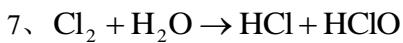
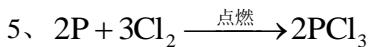
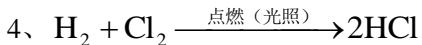
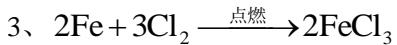
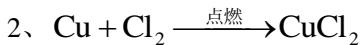
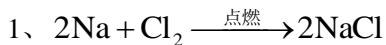
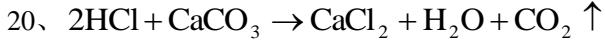
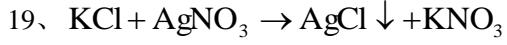
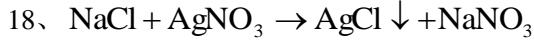
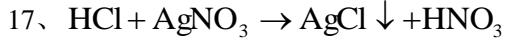
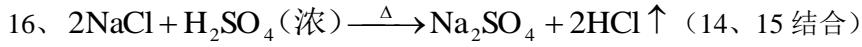
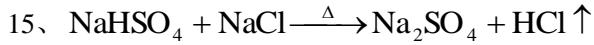


第一章 卤素

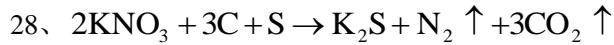
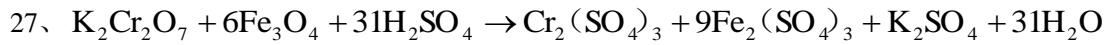
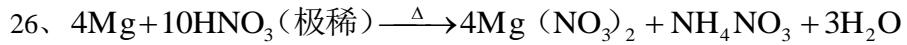
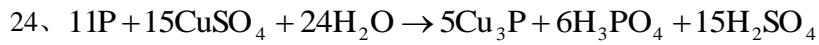
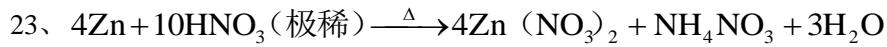
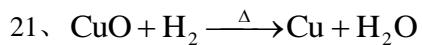
第一节 氯气



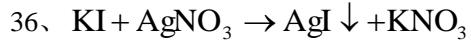
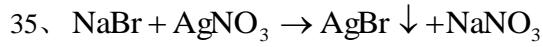
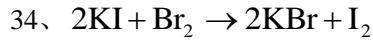
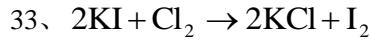
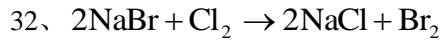
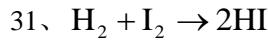
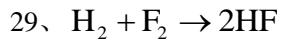
第二节 氯化氢



第三节 氧化还原反应

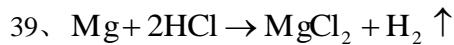
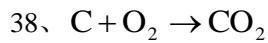


第四节 卤族元素

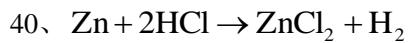


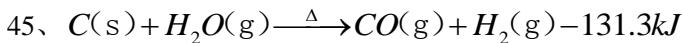
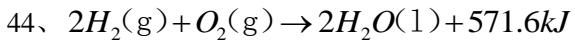
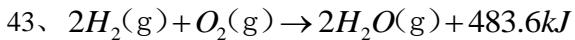
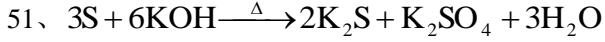
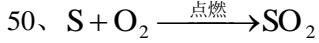
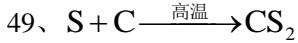
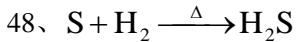
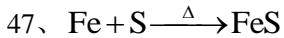
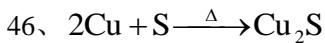
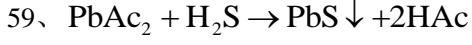
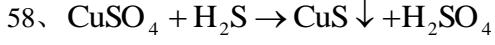
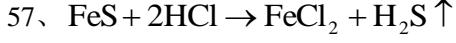
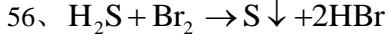
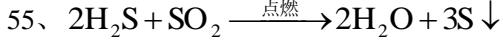
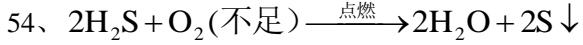
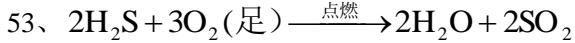
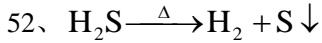
第二章 摩尔 反应热

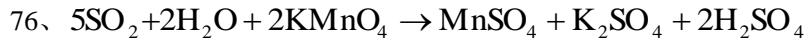
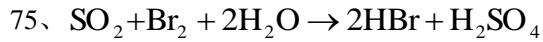
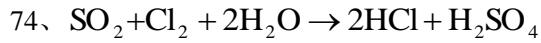
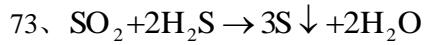
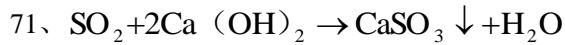
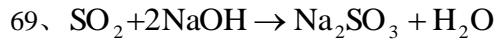
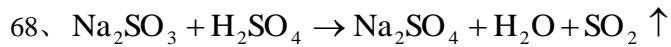
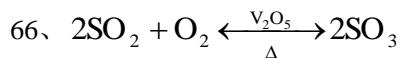
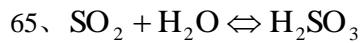
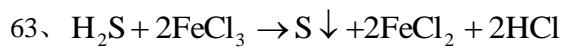
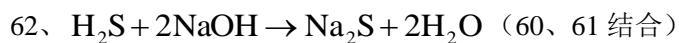
第一节 摩尔



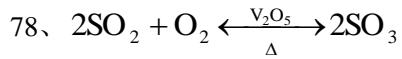
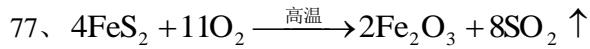
第二节 气体摩尔体积



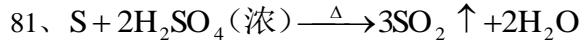
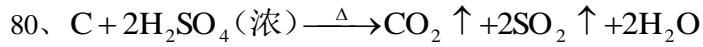
第三节 物质的量浓度**第四节 反应热****第三章 硫 硫酸****第一节 硫****第二节 硫的氢化物和氧化物**

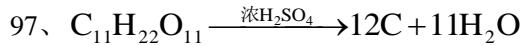
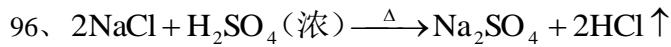
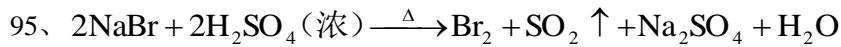
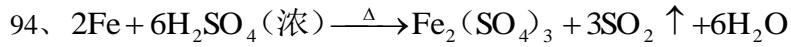
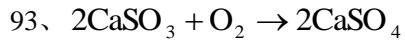
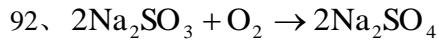
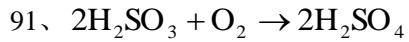
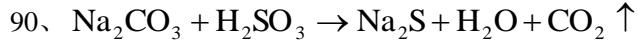
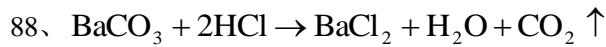
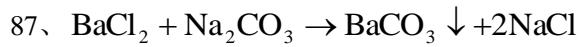
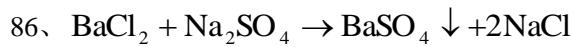
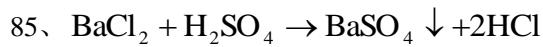
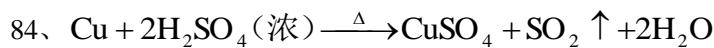
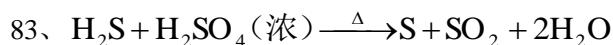
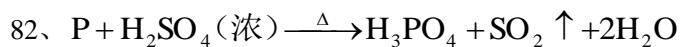


第三节 硫酸的工业制法



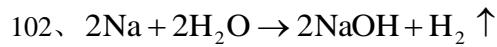
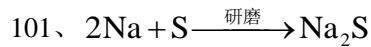
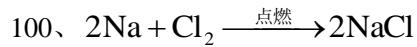
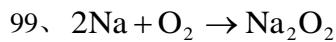
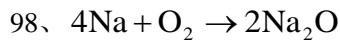
第四节 硫酸 硫酸盐

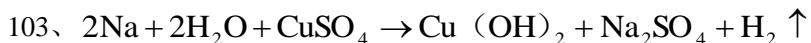




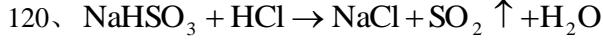
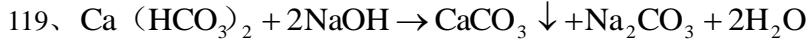
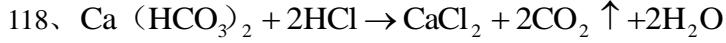
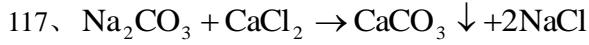
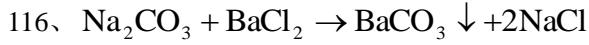
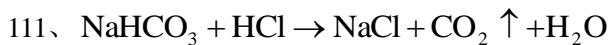
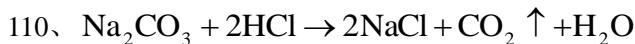
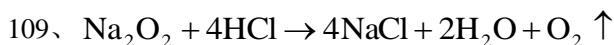
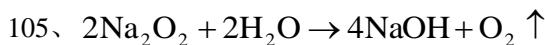
第四章 碱金属

第一节 钠

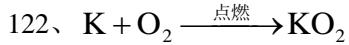
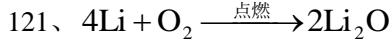


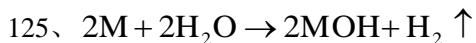
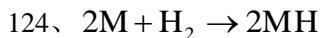


第二节 钠的氧化物

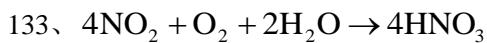
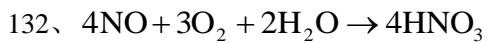
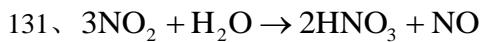
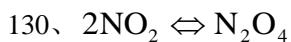
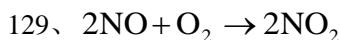
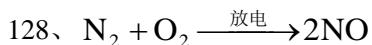
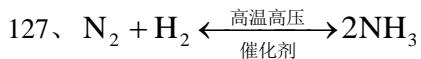
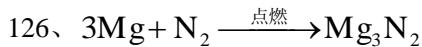


第三节 碱金属元素

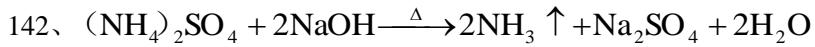
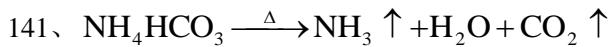
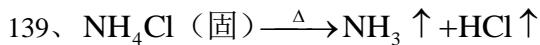
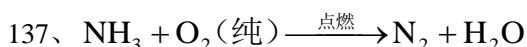
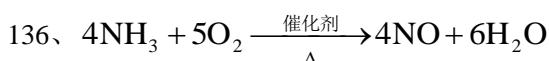




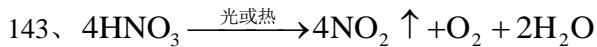
第二节 氮气

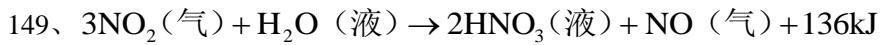
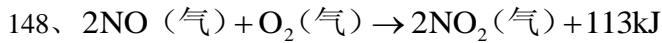
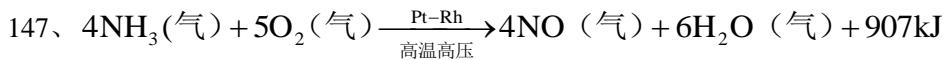
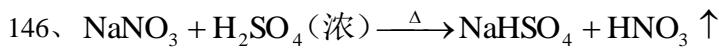


第三节 氨 铵盐

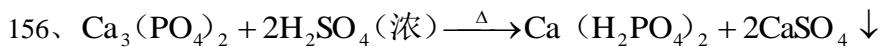
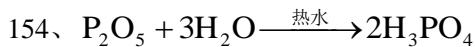
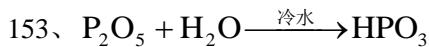
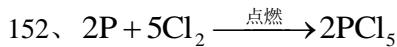
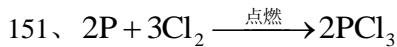


第四节 硝酸

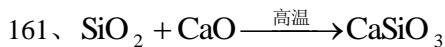
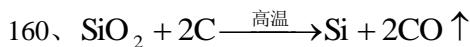
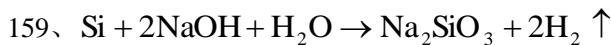
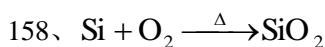


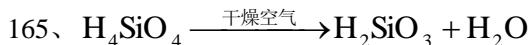


第六节 磷 磷酸

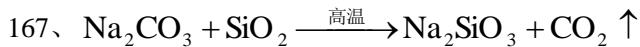


第二节 硅及其重要的化合物



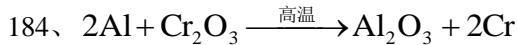
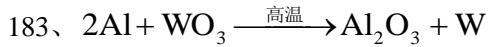
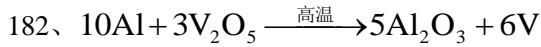
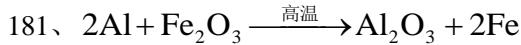
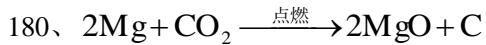
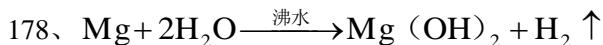
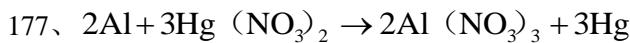
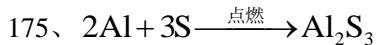
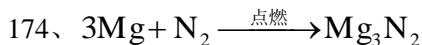
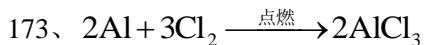
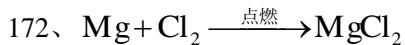
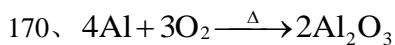
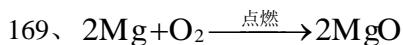


第三节 硅酸盐工业简述

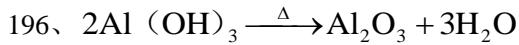
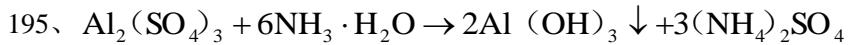
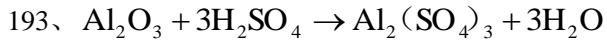
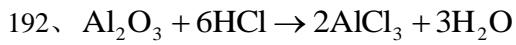
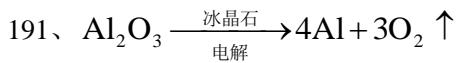
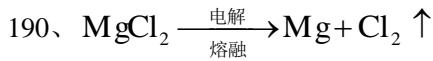
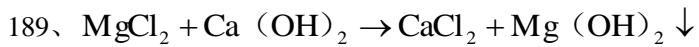
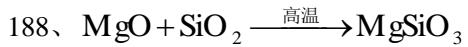
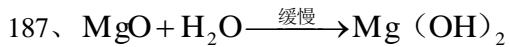
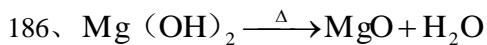
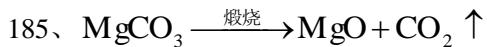


第二章 镁 铝

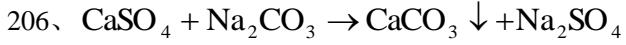
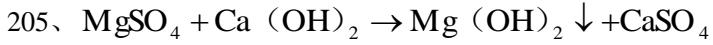
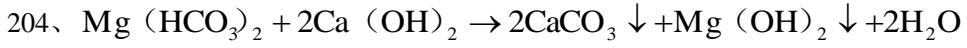
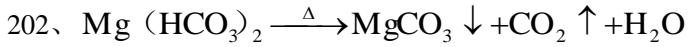
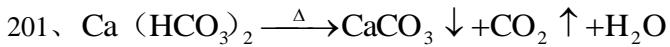
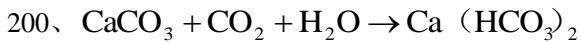
第二节 镁和铝的性质

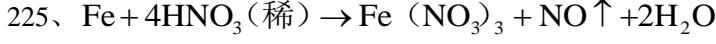
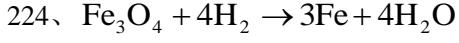
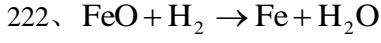
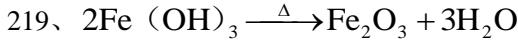
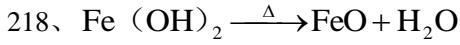
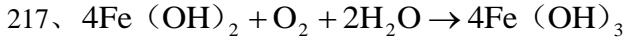
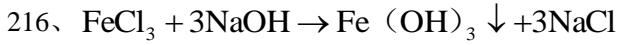
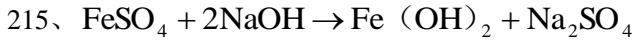
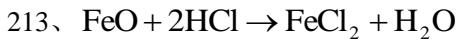
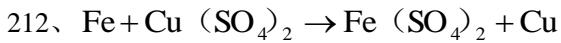
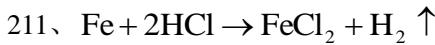
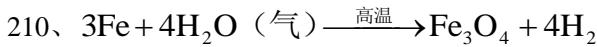
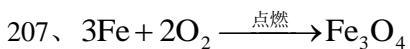
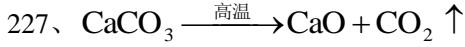
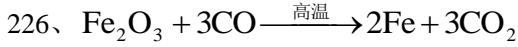


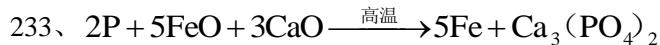
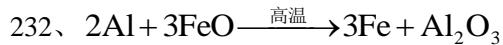
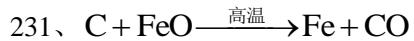
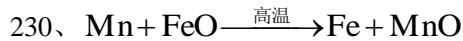
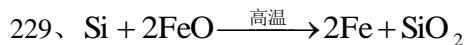
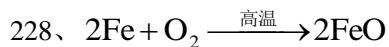
第三节 镁和铝的重要化合物



第四节 硬水及其软化

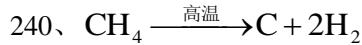
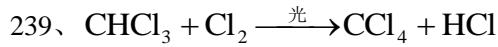
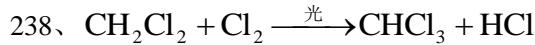
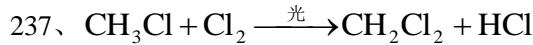
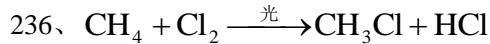
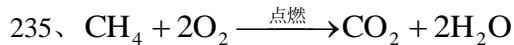
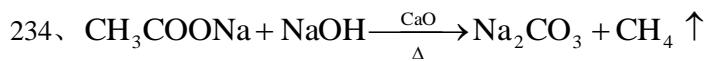


第三章 铁**第一节 铁和铁的化合物****第二节 炼铁和炼钢**

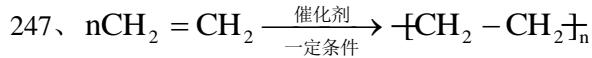
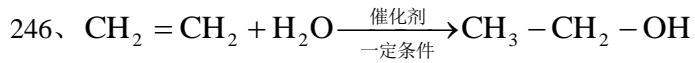
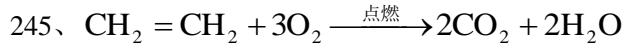
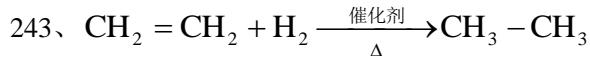
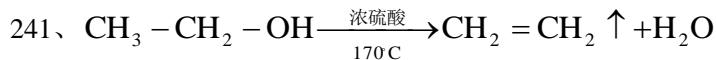


第四章 烃

第二节 甲烷

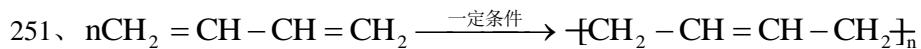
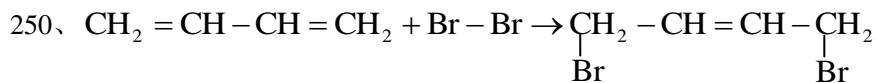
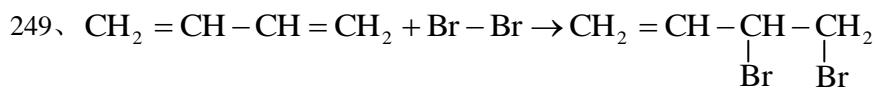


第四节 乙烯

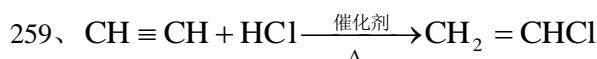
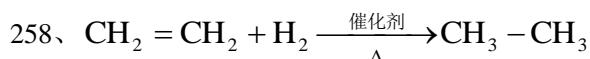
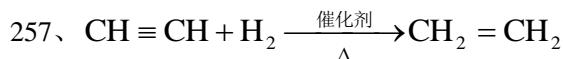
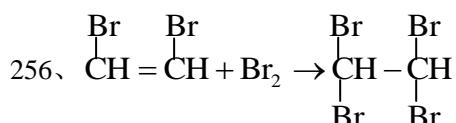
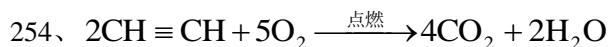


第五节 烯烃

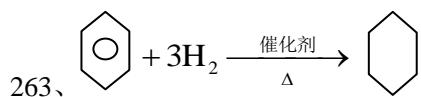
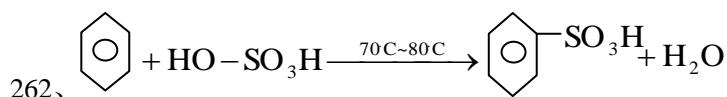
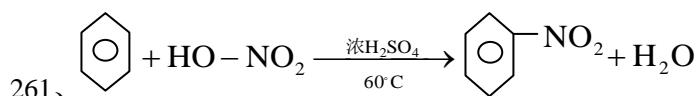
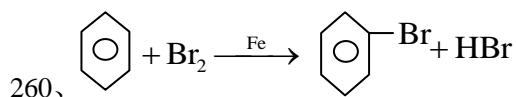


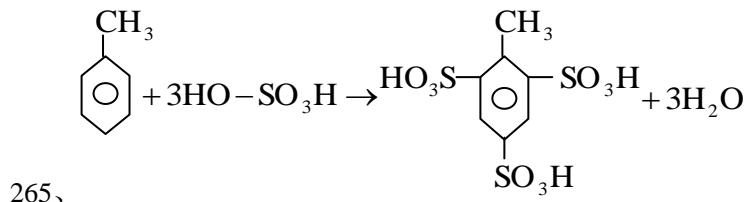
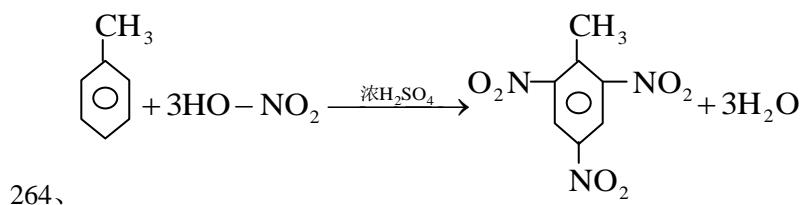


第六节 乙炔

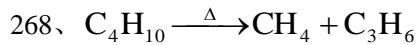
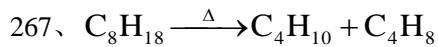
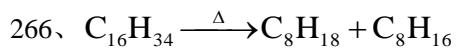


第七节 芳香烃



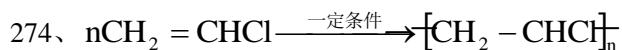
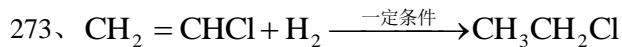
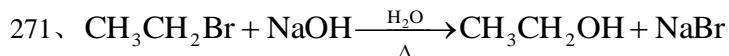
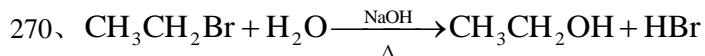


第八节 石油和石油产品概述

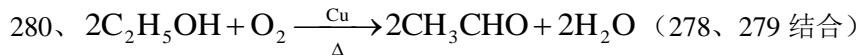
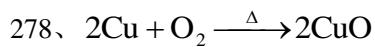
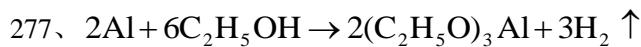
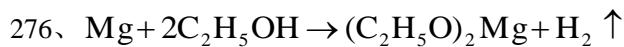
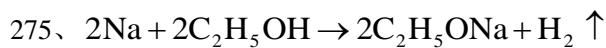


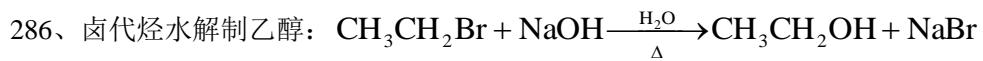
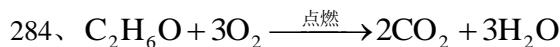
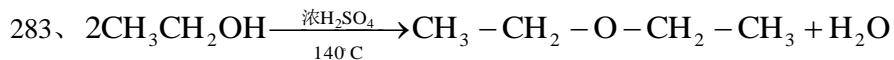
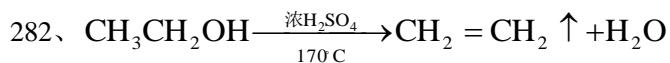
第五章 烃的衍生物

补充课程 卤代烃

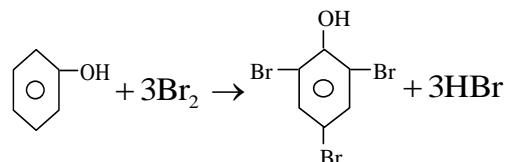


第一节 乙醇

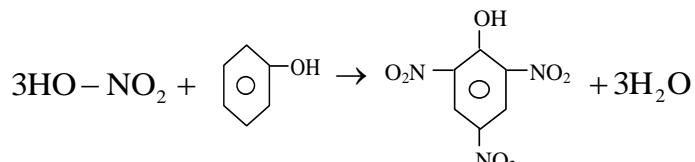




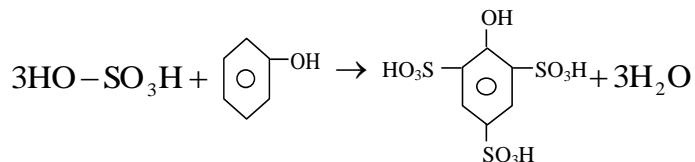
第二节 苯酚



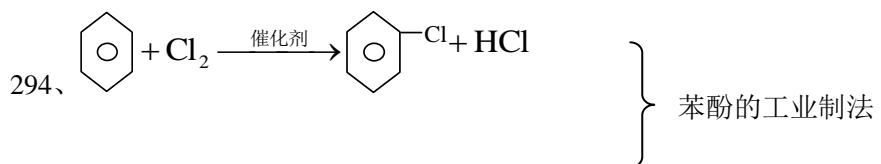
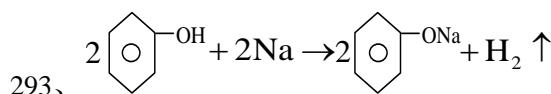
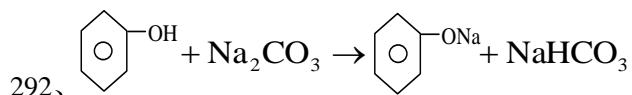
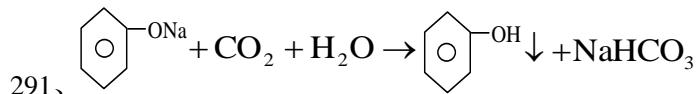
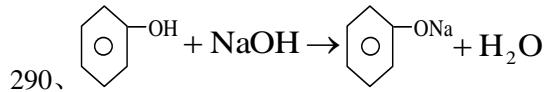
287、



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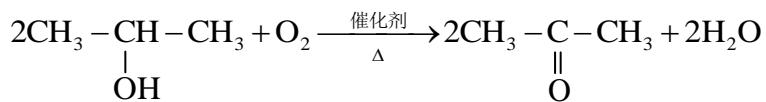
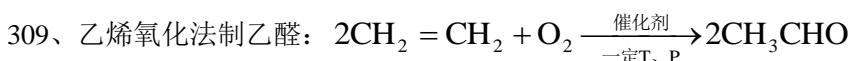
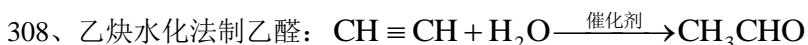
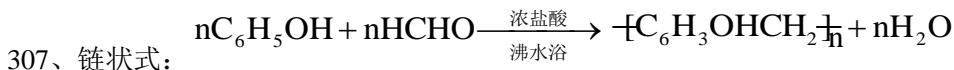
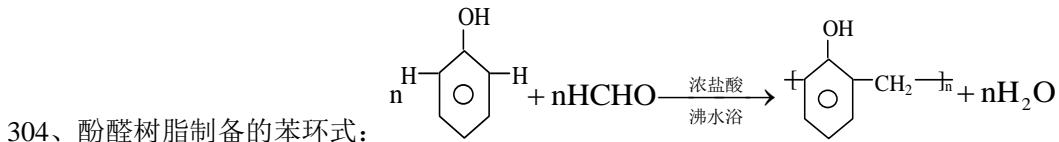
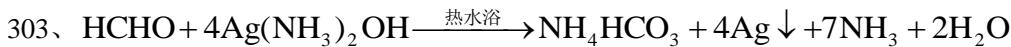
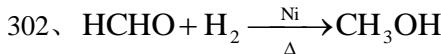
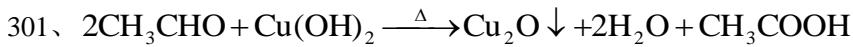
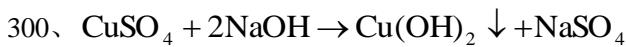
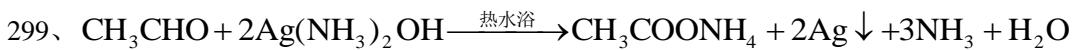
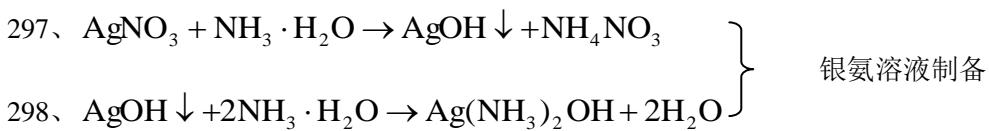
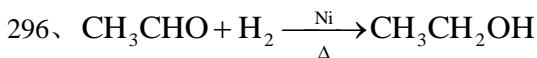


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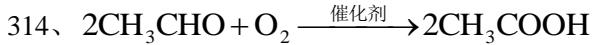
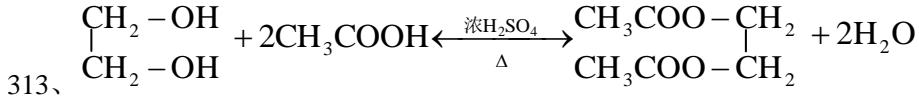
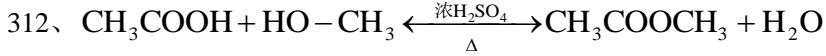
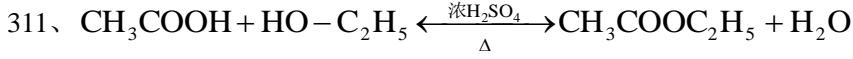


第三节 醛



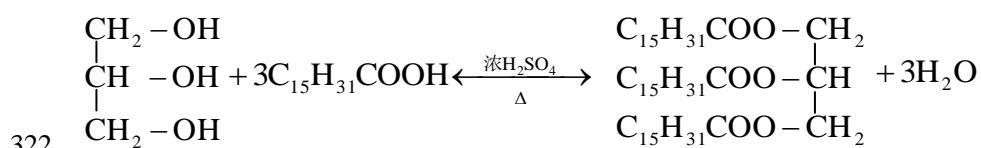
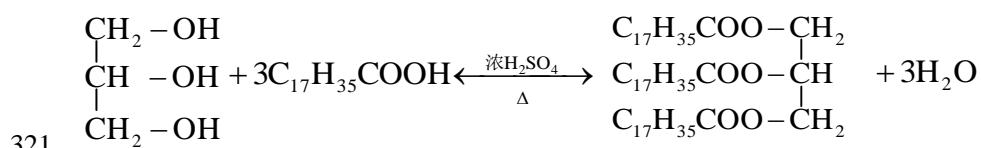
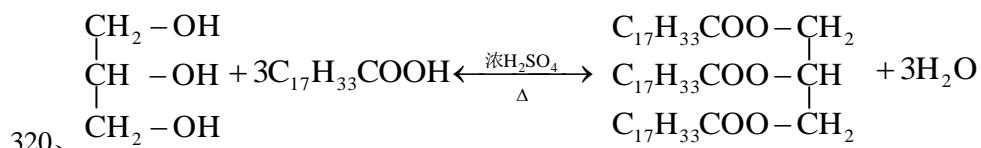
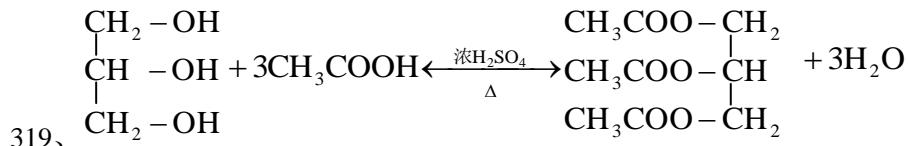
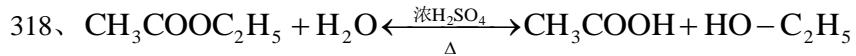
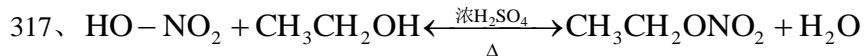
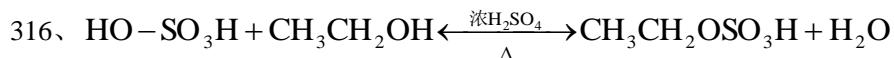
310、2—丙醇氧化制丙酮：

第四节 乙酸





第五节 酯



第六节 油脂

