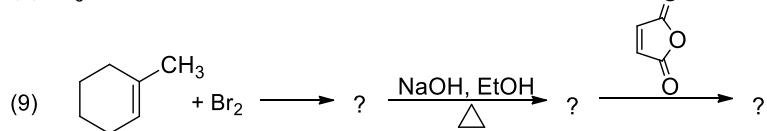
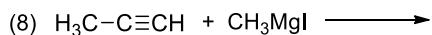
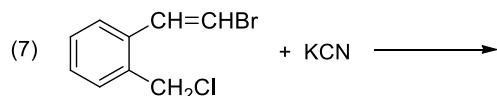


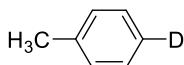
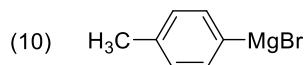
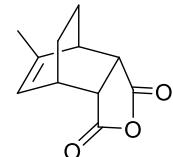
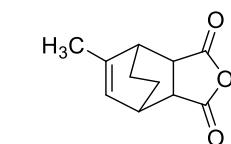
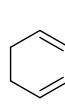
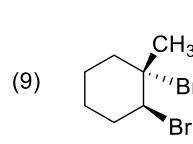
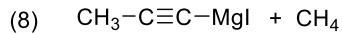
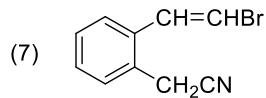
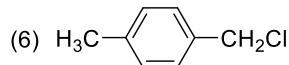
## 第十二次作业答案

P298

6. 写出下列反应的产物:

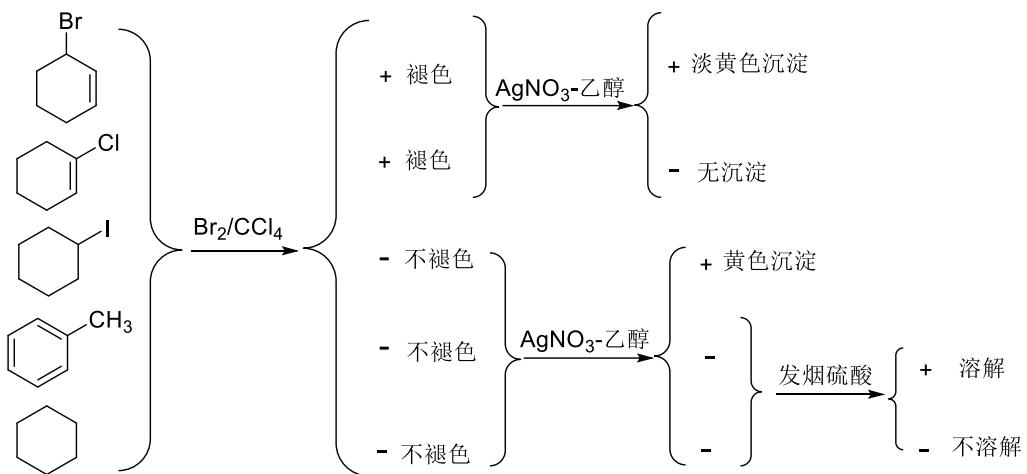


解答:

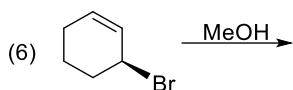
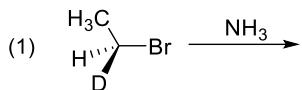


13. 用简便化学方法鉴别下列化合物: 3-溴环己烯、氯代环己烯、 碘代环己烷、 甲苯、 环己烷。

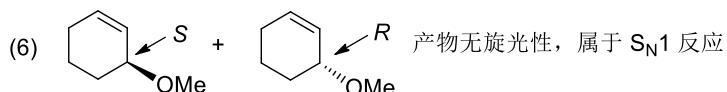
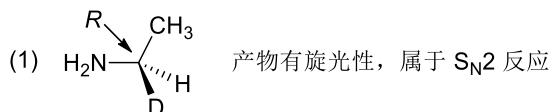
解答:



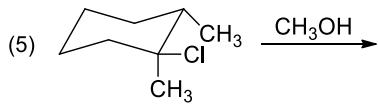
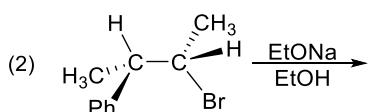
14. 写出下列亲核取代反应产物的构型式，反应产物有无旋光性，并标明 R 或 S 构型，它们是 S<sub>N</sub>1 还是 S<sub>N</sub>2?



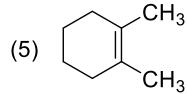
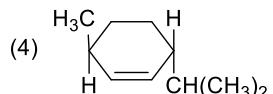
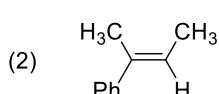
解答：



15. 写出下列消除反应的主要产物：

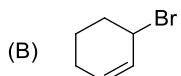
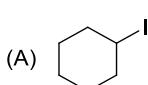


解答：



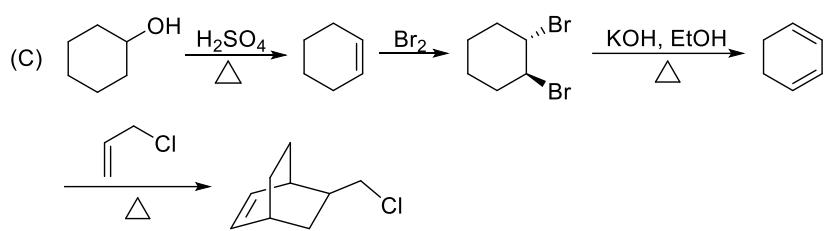
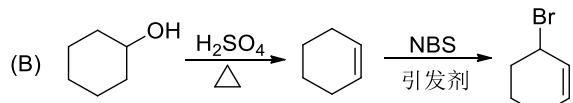
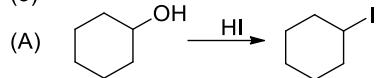
18. 由指定的原料(其它有机或无机试剂可任选)，合成下列化合物。

(3) 由环己醇合成下列化合物：



解答：

(3)



22. 某卤烃 A，分子式  $C_6H_{11}Br$ ，用  $NaOH$ -乙醇处理得 B( $C_6H_{10}$ )，B 与溴反应的生成物再用  $KOH$ -乙醇处理得 C，C 可与  $CH_2=CHCHO$  进行狄尔斯-阿尔德反应生成 D。将 C 臭氧水还原水解可得  $OHCCCH_2CH_2CHO$  和  $OHCCHO$ 。试推出 A、B、C、D 的结构式，并写出所有的反应式。

解答：根据题意推测得化合物 A、B、C、D 的结构如下：

