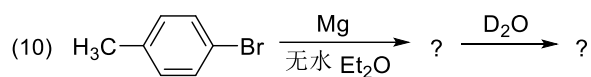
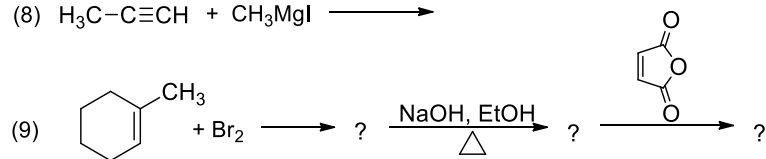
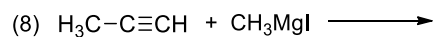
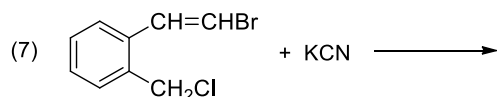
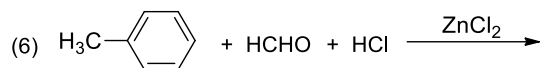


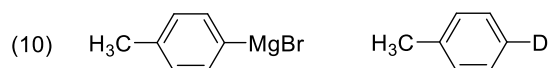
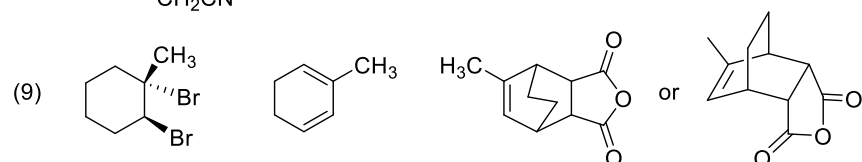
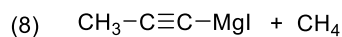
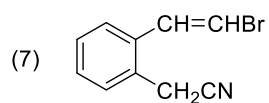
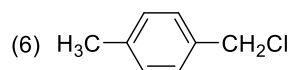
第十二次作业答案

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6. 写出下列反应的产物:

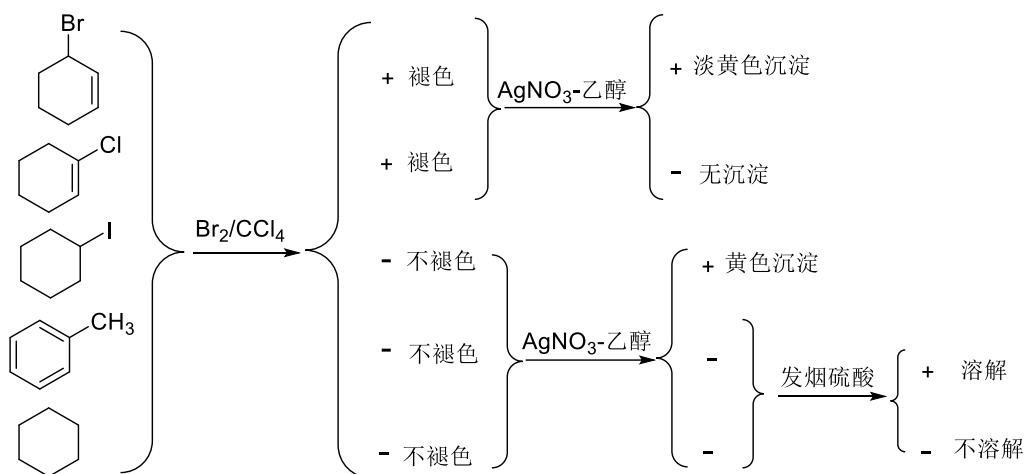


解答:

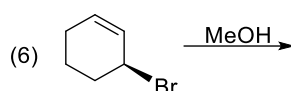
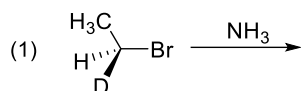


13. 用简便化学方法鉴别下列化合物: 3-溴环己烯、氯代环己烯、碘代环己烷、甲苯、环己烷。

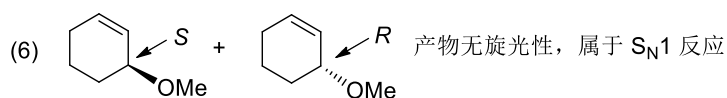
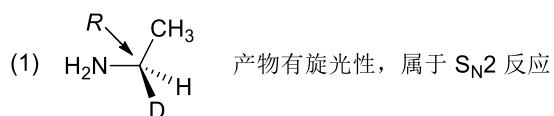
解答:



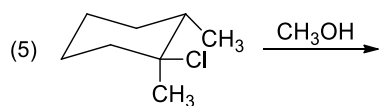
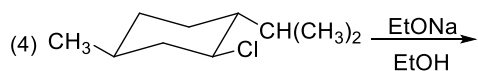
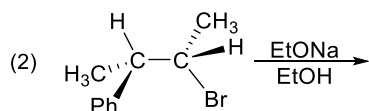
14. 写出下列亲核取代反应产物的构型式，反应产物有无旋光性，并标明 *R* 或 *S* 构型，它们是 $\text{S}_{\text{N}}1$ 还是 $\text{S}_{\text{N}}2$?



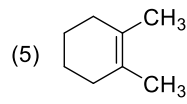
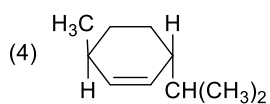
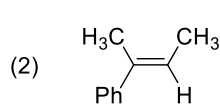
解答:



15. 写出下列消除反应的主要产物:

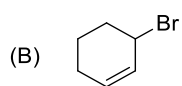
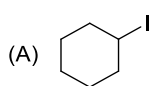


解答:



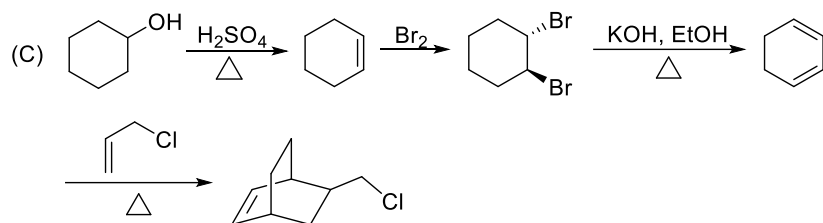
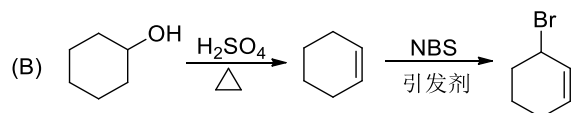
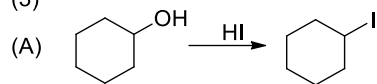
18. 由指定的原料(其它有机或无机试剂可任选)，合成下列化合物。

(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 $OHCCH_2CH_2CHO$ 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:

