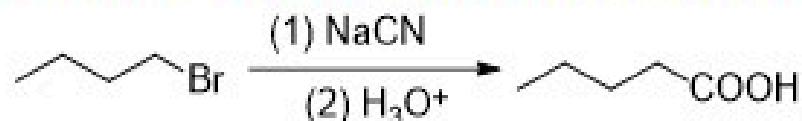


11. 羧酸和取代羧酸

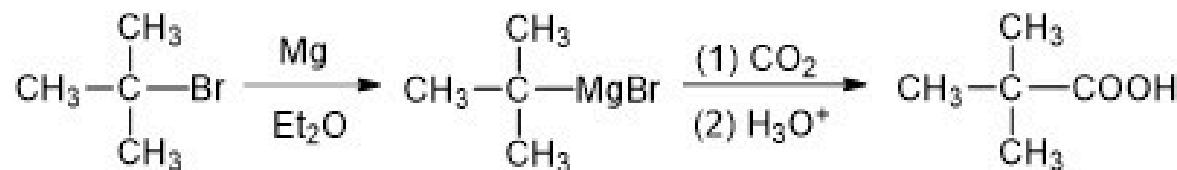
11.3 羧酸的制备

小结：合成增加一个C的羧酸

(1) **伯卤代烃，不易发生消去反应，可用NaCN法：**

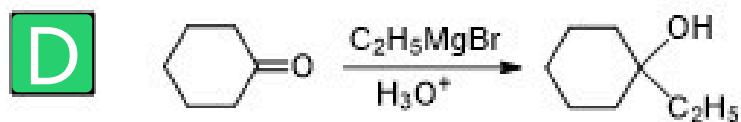
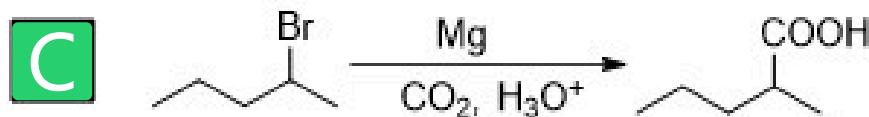
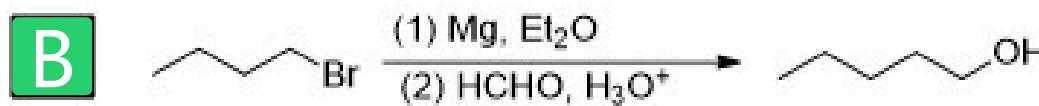


(2) **叔卤代烃，易发生消去反应，可用格氏试剂法：**



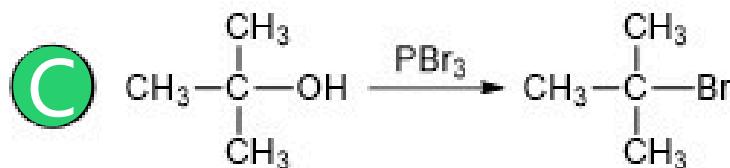
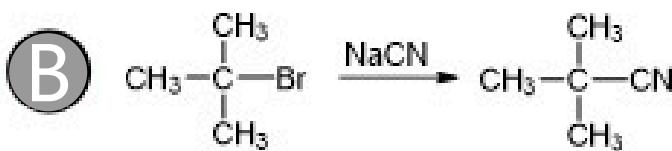
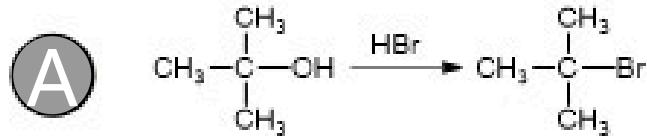
多选题 4分

下列哪些制备过程是错误的?



单选题 2分

下列反应中，正确的是（）



多选题 4分

下列反应中，正确的是（）

