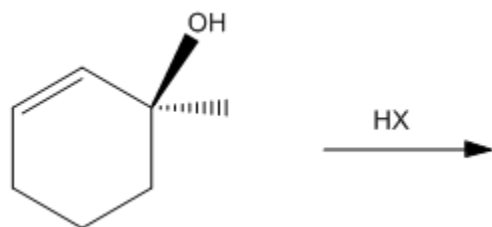**CONCEPT:** LEAVING GROUP CONVERSIONS - USING HX

☐ Alcohols are terrible leaving groups. If we want to react with them, they need to be transformed.

    ● They can be converted into _____ _____ or _____ _____

2° and 3° Alcohols with HX: S_N1 mechanism

HCl *requires* a catalyst to proceed

$ZnCl_2$

1° alcohols with HX: S_N2 mechanism