## In-Class Exercise: S<sub>N</sub>2 Mechanisms

For each of the  $S_N2$  reactions below: (i) identify the nucleophile and the leaving group; (ii) "push electrons," using curved arrows, to illustrate the reaction mechanism; and (iii) draw the products. Make sure your chemical equation is balanced.

$$HS^{\Theta}$$
 +  $H_3^{C}$   $C$   $CI$   $\longrightarrow$ 

$$H_3C$$
 $H_3C$ 
 $H_3C$ 
 $H_3C$ 
 $H_3C$ 
 $H_3C$ 
 $H_3C$ 
 $H_3C$ 
 $H_3C$