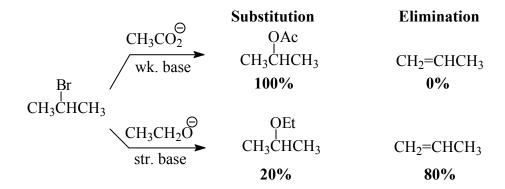
## **SN2 or E2?**

## Depends on nature of nucleophile/base:



## **Depends on the size of the base:**

## **Depends on nature of the substrate:**

$$\begin{array}{c} \text{CH}_3\text{CH}_2\text{CH}_2\text{CH}_2\text{Br} & \xrightarrow{\Theta_{\text{CN}}} & \text{CH}_3\text{CH}_2\text{CH}_2\text{CH}_2\text{CN} \\ \textbf{100} & \text{str. nuc.; wk. base} & \textbf{100\% SN}_2 \\ \\ \text{(CH}_3)_3\text{CBr} & \xrightarrow{\Theta_{\text{CN}}} & \text{CH}_2\text{=C(CH}_3)_2 \\ \textbf{30} & \textbf{100\% E2} \\ \end{array}$$