## Ex 48 - $\mathbf{S}_{\mathrm{N}} \mathbf{2}$ Mechanism

## Question One

Offer mechanisms for the following and give the structure of the missing component.


$$
\mathrm{HN}\left(\mathrm{CH}_{3}\right)_{2}
$$





$$
\mathrm{Ph}-\mathrm{C} \equiv \mathrm{C}:+\quad \longrightarrow \mathrm{Ph}-\mathrm{C} \equiv \mathrm{C}-\mathrm{CH}_{2} \mathrm{CH}_{3}
$$

