• Give the constitutional formula and the name of the major organic product of each of the following reactions.

Marks 2

$$\begin{array}{c}
1. \text{ Na} \stackrel{\bigoplus}{\circ} \text{NH}_2 \\
2. \text{ CH}_3\text{CH}_2\text{I}
\end{array}$$

$$\begin{array}{c}
\text{H} \\
\text{C} \\
\text{CH}_3
\end{array}$$

$$\begin{array}{c}
\text{CH}_3 \\
\text{CH}_3
\end{array}$$

$$\begin{array}{c}
\text{H} \\
\text{CH}_3
\end{array}$$

$$\begin{array}{c}
\text{CH}_3 \\
\text{H}
\end{array}$$

$$\begin{array}{c}
\text{Name: 2-methylhex-3-yne}$$