

### 39 How can propan-2-one be converted into tert-butyl alcohol?

Propan-2-one is a ketone. Its structural formula is  $\begin{matrix} \text{H}_3\text{C} \\ \diagdown \\ \text{C}=\text{O} \\ \diagup \\ \text{H}_3\text{C} \end{matrix}$  ketones when treated with Grignard reagent give tertiary alcohols.

