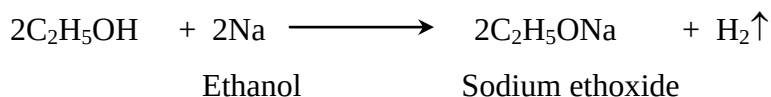


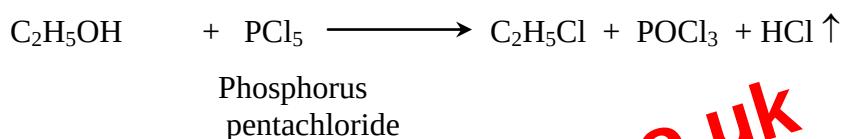
1. **How will you detect the presence of alcohol?**

Alcohol can be detected by the following tests.

1. **Sodium metal test:** When a small piece of sodium is added to an alcohol, hydrogen gas is evolved with effervescence.

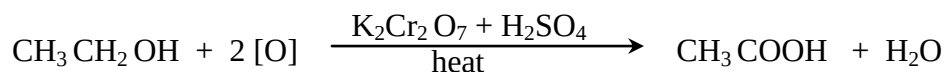


2. **Phosphorus pentachloride test:** On treatment with phosphorus pentachloride, alcohols become warm and hydrogen chloride gas is evolved.



2. What happens when (a) Ethanol is treated with acidic solutions of potassium dichromate (b) Ethanol is burnt in air.

- (a) When ethanol is treated with an acidic solution of potassium dichromate it is oxidised to ethanoic acid.



- (b) Ethanol burns in air with a blue flame to form carbon dioxide water.

