

## Assertion-Reason Questions

1. **ASSERTION** : Phosphorus is stored in water.  
**REASON** : Phosphorus is a very reactive non-metal. It catches fire if exposed to air. To prevent the contact of phosphorus with atmospheric oxygen.

**Answer:** Assertion and reason both are correct statement and reason is correct explanation for assertion.

2. **ASSERTION** : Copper does not react with dilute hydrochloric acid even on heating but it reacts with sulphuric acid.

**REASON** :Metals generally do not react with acids.

**Answer:** Assertion is correct statement but reason is wrong statement.

3. **Assertion:** Food cans are coated with tin and not with zinc  
**Reason:** Zinc is more reactive than tin.

**Answer:** Assertion and reason both are correct statement and reason is correct explanation for assertion.

Food cans are coated with tin and not with zinc because Zinc is more reactive than tin, it can react with organic acids present in food.