

**Answer the following questions:**

- 1. Compare between each of the following :**
  - a. anodic and cathodic protection of metals by electric methods.**
  - b. hydrogen evolution poison and scavenger inhibitors.**
  - c. Confirm your answers by examples .**
- 2. Discuss the film formation theory to explain the corrosion and corrosion prevention of metals.**
- 3. Write what you know about :**
  - a. phosphate coating .**
  - b. inhibitors classification; give examples.**
  - c. Vapour phase inhibitors.**

**Good Luck**  
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