1. The symbol for a molecule formed of two atoms of hydrogen is:
   a) $^2\text{H}$  b) $^2\text{H}$  c) $^2\text{H}$  d) $\text{H}_2$  e) $\text{He}_2$

2. The symbol for a isotope of hydrogen with one proton and one neutron is:
   a) $^2\text{H}$  b) $^2\text{H}$  c) $^1\text{H}$  d) $\text{H}_2$  e) $\text{H}^1$

3. Those elements that prefer metallic bonds with iron and are enriched in the core but depleted in the crust and mantle of the Earth are termed:
   a) Lithophile  b) Siderophile  c) Chalcophile  d) Atmosphere

4. The difference between a rock and a mineral is: