**Summary Sheet – Reactivity Series**

1. Why do elements react? Why are some metals more reactive that others?
2. List 3 ways you can tell a chemical reaction has occurred.
3. Explain why
   1. Jewellery is made from gold and silver.
   2. Potassium, lithium and sodium are stored under oil.
   3. Cans are plated with tin and not zinc.
4. Explain what oxidation and reduction is and write out a word equation for each.
5. Why can displacement reactions using carbon be used to extract copper from copper oxide but not magnesium from magnesium oxide. Write a word equation for the reaction between copper oxide and carbon.
6. Predict the following reactions:
   1. Iron + zinc sulfate
   2. Zinc + copper sulfate
   3. Magnesium + iron chloride