

## Science 1.8 AS 90947 Investigate selected chemical reactions

### Displacement Reactions – Writing Word and Symbol Equations

**Success Criteria: complete each level before moving onto the next**

- Basic: write **word equations** for the following displacement reactions
- Proficient: write **symbol equations** for the following displacement reactions
- Advanced: **balance the symbol equations** for the following displacement reactions

1. calcium metal and copper nitrate solution are mixed together.

Word equation \_\_\_\_\_

Symbol equation \_\_\_\_\_

2. magnesium metal and lead nitrate solution are mixed together.

Word equation \_\_\_\_\_

Symbol equation \_\_\_\_\_

3. zinc metal and iron (II) nitrate solution are mixed together.

Word equation \_\_\_\_\_

Symbol equation \_\_\_\_\_

4. magnesium metal and silver nitrate solution are mixed together.

Word equation \_\_\_\_\_

Symbol equation \_\_\_\_\_

5. calcium metal and zinc chloride solution are mixed together.

Word equation \_\_\_\_\_

Symbol equation \_\_\_\_\_

6. iron metal and copper sulfate solution are mixed together.

Word equation \_\_\_\_\_

Symbol equation \_\_\_\_\_