

Science 1.8 AS 90947 Investigate selected chemical reactions

Combination Reactions – Writing Word and Symbol Equations

Success Criteria: complete each level before moving onto the next

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

Remember: **Combination reactions occur when two or more reactants combine for form one product**

1. magnesium metal is burnt in oxygen gas.

Word equation _____

Symbol equation _____

2. sulfur is burnt in oxygen gas.

Word equation _____

Symbol equation _____

3. sulfur is heated with iron metal.

Word equation _____

Symbol equation _____

4. zinc metal is burnt in oxygen gas.

Word equation _____

Symbol equation _____

5. solid carbon is completely burnt in oxygen gas.

Word equation _____

Symbol equation _____

6. sodium metal is placed in a container with oxygen gas.

Word equation _____

Symbol equation _____