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: ____________________________