

Science 1.8 AS 90947 Investigate selected chemical reactions

Precipitation Reactions – Writing Word and Symbol Equations

Success Criteria: complete each level before moving onto the next

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

Use your solubility rules to determine which product forms a precipitate and circle it.

1. sodium hydroxide solution and copper nitrate solution are mixed together.

Word equation _____

Symbol equation _____

2. magnesium sulfate solution and sodium hydroxide solution are mixed together.

Word equation _____

Symbol equation _____

3. sodium carbonate solution and silver nitrate solution are mixed together.

Word equation _____

Symbol equation _____

4. calcium chloride solution and sodium sulfate solution are mixed together.

Word equation _____

Symbol equation _____

5. lead nitrate solution and zinc chloride solution are mixed together.

Word equation _____

Symbol equation _____

6. iron(II) nitrate solution and sodium hydroxide solution are mixed together.

Word equation _____

Symbol equation _____