

Unit Overview – Reactions 1

Target grade for tests:



You will learn about:

- Metals and non-metals
- Types of reactions
- Acids, alkalis and indicators

You will be able to:

- Use word equations
- Identify variables
- Draw and interpret graphs

| Key learning points | | | | | | Key Words |
|--|-------------|-------------------------|--------------|----------------------|--------------|--|
| Explain the hazards of acids and alkalis | | | | | | Conduct Ductile Malleable Sonorous Reactivity Displacement Oxidation Combustion Base Acid Hydrochloric acid Alkali Sodium hydroxide pH Scale concentration indicator litmus universal indicator neutralisation |
| Give examples of strong and weak acids and alkalis | | | | | | |
| Describe what pH is | | | | | | |
| Define indicators and identify the correct one to use | | | | | | |
| Describe the method for neutralisation | | | | | | |
| Explain what neutralisation is and it's uses | | | | | | |
| Explain the uses of metals and non-metals based on their properties. | | | | | | |
| Describe the reactions between metals with acids using word equations and particle diagrams. | | | | | | |
| Compare the reactivity of different metals. | | | | | | |
| Explain displacement reactions using equations and particle diagrams | | | | | | |
| Describe oxidation reactions using word equations and particle diagrams. | | | | | | |
| Links to other subjects: SMSC <ul style="list-style-type: none"> • Evaluating risks. Numeracy <ul style="list-style-type: none"> • Drawing and interpreting graphs • Calculating a mean • Reading a scale and recording measurements Literacy <ul style="list-style-type: none"> • Construct descriptions and explanations. • Identify and describe evidence. | | | | | | |
| Research | Note-making | Group work & discussion | Memorisation | Precision & accuracy | Independence | Reflection |
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