

Revision 1

Chemistry - Key Stage 3

Chemical Reactions

Mrs Gibbs



Independent task

1. What will be produced if sodium is reacted with oxygen?

2. What is this type of reaction known as? O_____

3. Write a word equation for the reaction between sodium and oxygen.

_____ + _____ → _____

4. Write a word equation for the oxidation of calcium.

_____ + _____ → _____

5. Identify the reactant(s) in the equation above: _____

6. Identify the product(s) in the equation above: _____

7. 5g of sodium reacted with 8g of oxygen. How much product is formed? _____



Independent task

Lucy used universal indicator on some unknown substances.

1) Complete her results table.

Substance	Colour	Acid, alkali or neutral?	pH
A			1-3
B	Blue		
C		Neutral	
D			12-14
E	Orange		

2) Which substance (A, B, C, D or E) is a strong acid? _____

3) Which substance (A, B, C, D or E) is a strong alkali? _____



Independent task

Write word equations for the following reactions:

1) Lithium and nitric acid: _____ + _____ → _____ + _____

2) Copper and hydrochloric acid: _____ + _____ → _____ + _____

3) Zinc and sulfuric acid: _____ + _____ → _____ + _____

4) What metal and acid react to form silver nitrate and hydrogen?

5) Write the word equation from question 4

6) _____ + _____ → _____ + _____

