

8E Combustion- Revision Worksheet

Define the following keywords:

Combustion	
Fuel	
Fossil Fuel	
Hydrocarbon	
Reactant	
Product	

Explain how the equipment here allows you to test for the **products of combustion**.



.....

Explain why the **mass of zinc oxide** is greater than the mass of the zinc reacted.

.....

Describe why combustion is an **exothermic reaction**.

.....

Label the fire triangle:

Describe how **hydrogen** can be used to power vehicles:

.....

Complete the following word equations:

Magnesium + Oxygen →

Iron + Oxygen →

Copper + Oxygen →

Zinc + Oxygen →

State what each of the **hazard symbols** means:

Write out a **word equation** for the reaction in a fuel cell:

Explain why the reactions above are examples of **oxidation**.

.....

Describe the **energy transfers** that occur during **combustion**.

.....

Describe what is meant by the 'law of conservation of mass'

.....

State the **products of hydrocarbon combustion** and explain how they are formed.

.....

5g of **magnesium** is burnt in air, producing 10g of **magnesium oxide**. Calculate how much **oxygen** was reacted with.

Describe the reaction of **magnesium with oxygen**.

Complete the following table about the different **fire extinguishers**:

Type	Colour	Explanation of what it puts out
Water		
CO2		
Foam		
Powder		

Year 8 Exploring Science Test Answers

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