8Ea

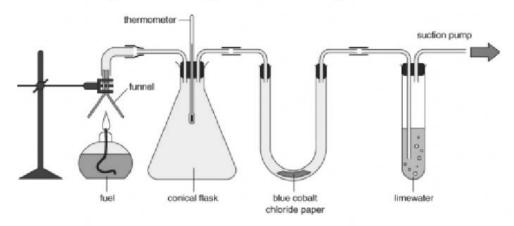
- 1 Combustion of hydrogen produces:
 - A carbon hydride. B hydrocarbon.
 - C carbon. D water.
- 2 Carbon dioxide can be detected using:
 - A a glowing splint.
 - B pure water.
 - C orangewater.
 - D limewater.
- 3 When hydrated copper sulfate is heated, the gas produced is called:
 - A the water of crystallisation.
 - B oxygen.
 - C carbon dioxide.
 - D hydrogen.
- 4 methane + oxygen →
 - A hydrogen + oxygen
 - B carbon dioxide + water
 - C carbon dioxide + hydrogen
 - D carbon + water

8Eb

- During a chemical reaction, reactants form products. Compare the mass of reactants with the mass of products formed.
 - A The mass of reactants is greater than the mass of products.
 - B The mass of products is greater than the mass of reactants.
 - C The mass of products is the same as the mass of reactants.
 - D The change in mass depends on what the reactants and products are.

- 2 Oxidation is always:
 - A a reaction in which a substance combines with oxygen.
 - B a reaction in which a substance burns in oxygen.
 - C a reaction in which a substance burns in air.
 - D an explosive reaction.
- 3 When zinc burns in oxygen it forms:
 - A water.
- B zinc hydroxide.
- C zinc carbonate.
- D zinc oxide.
- 4 When 4.8 g of magnesium reacts with 3.2 g of oxygen, how much magnesium oxide is formed?
 - A 1.6 g
- B 4.9 g
- C 7.0 g
- D 8.0 g

Below is a diagram showing tests used for hydrocarbon combustion.



a What do	oes the cobalt chlorid	le paper test for?		_
What do	es the limewater tes	st for?	<u> </u>	
How wil	the thermometer re	ading change duri	ng the experiment?	
Explain	why the thermomete	er reading changes	s in this way.	
nplete th	ne following word	equations by dra	agging and dropping t	the correct
lecules.	×			
recures.				
necures.	Oxygen	Hydrogen	Carbon dioxide	Iron
necures.	Oxygen Copper	Hydrogen Water	Carbon dioxide Magnesium oxide	100,000
		Water → Carbor	Magnesium oxide	100,000,000
/Jagnesiu	Copper + Oxygen - m + Oxygen	Water → Carbor	Magnesium oxide	Carbon
Лagnesiu Лethane (Copper + Oxygen - m + Oxygen	Water → Carbor	Magnesium oxide	Carbon
Magnesiu Methane (Copper + Oxygen - m + Oxygen hydrocarbon) +	Water → Carbor → Copper of	Magnesium oxide	Carbon