

# Chemical Reactions Test Yourself 2

## Combustion

Name 3 fossil fuels.

Complete the equation for combustion.

fuel + oxygen  $\rightarrow$  \_\_\_\_\_ + \_\_\_\_\_ + energy

## Decomposition

Draw a ring around the reaction that show decomposition:

iron + oxygen  $\rightarrow$  iron oxide

calcium carbonate  $\rightarrow$  calcium oxide + carbon dioxide

sodium + iodine  $\rightarrow$  sodium iodide

hydrogen peroxide  $\rightarrow$  water + oxygen

## Anagrams

The anagrams show changes that might occur in a chemical reaction.

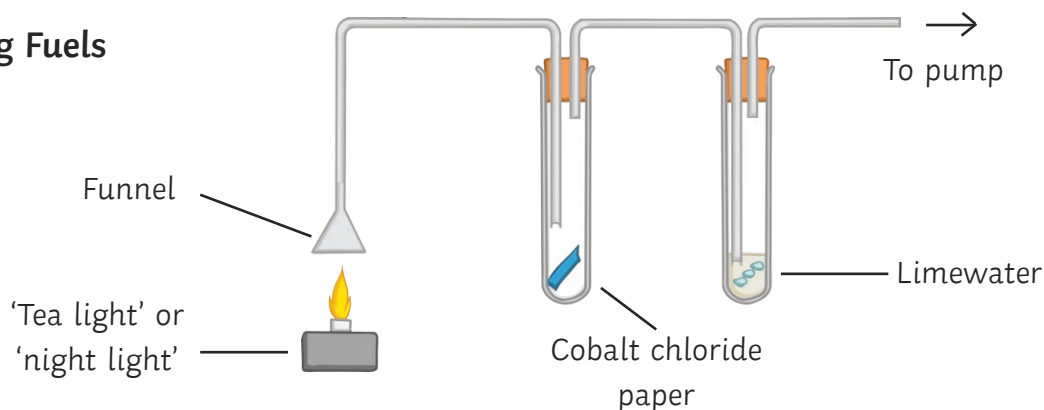
Malfes

Permteture sire

Blubbse fo sag

Gehanc fo roluoc

## Burning Fuels



The diagram shows the apparatus required to identify the products of combustion.

What are the products of combustion and state which part of the experiment detects its presence.

# Chemical Reactions Test Yourself 2 Answers

## Combustion

Name 3 fossil fuels.

**coal, oil and gas**

Complete the equation for combustion.

fuel + oxygen  $\rightarrow$  **carbon dioxide + water + energy**

## Decomposition

Draw a ring around the reaction that show decomposition:

iron + oxygen  $\rightarrow$  iron oxide

**calcium carbonate  $\rightarrow$  calcium oxide + carbon dioxide ✓**

sodium + iodine  $\rightarrow$  sodium iodide

**hydrogen peroxide  $\rightarrow$  water + oxygen ✓**

## Anagrams

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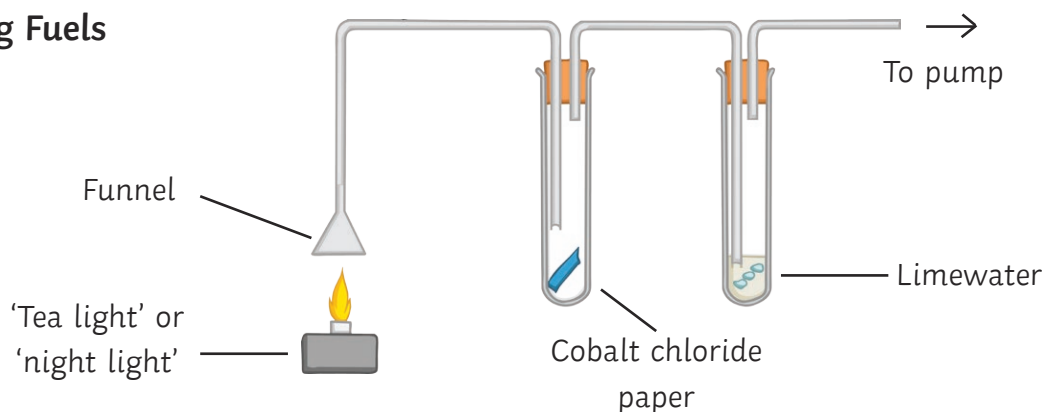
Malfes      **Flames**

Permteture sire      **Temperature rise**

Blubbse fo sag      **Bubbles of gas**

Gehanc fo roluc      **Change of colour**

## Burning Fuels



The diagram shows the apparatus required to identify the products of combustion.

What are the products of combustion and state which part of the experiment detects its presence.

**carbon dioxide, limewater turns cloudy. Water cobalt chloride paper changes from blue to pink**