Complete the table to show the benefits and problems of combustion. Write the letters in the table below.

a) We use it to heat our homes.

b) It can cause acid rain.

c) It sometimes produces carbon dioxide.

d) We can use it to cook.

e) Coal powered stations use it to produce electricity.

f) Combustion is used to power vehicles.

g) It produces particles that pollute the air.

h) It can cause global warming.

| Benefits of combustion | Problems caused by combustion |
| --- | --- |
| | |

LIVEWORKSHEETS

Complete the table:

| Type of combustion | Problems caused |
| --- | --- |
| Burning petrol or diesel | 1. It produces carbon dioxide, which contributes to global warming.<br>2. _____<br>_____ |
| Burning coal | 1. _____<br>_____<br>2. _____<br>_____ |

LIVEWORKSHEETS

Choose the correct option:

Rusting is a form of oxidation / combustion . It takes place when iron is exposed to water / air . The iron atoms slowly lose electrons / neutrons to the oxygen atoms in the air. The properties of the iron change as it rusts. It changes colour from blue / grey to an orange red colour. It also becomes less resistant and more durable / brittle .

Cars are made of iron. When they are new, a layer of paint / oil covers the iron and protects it from the air. But if this layer is damaged, the iron is exposed and rusting / fermentation can take place.

LIVEWORKSHEETS

Are these sentences TRUE or FALSE? Correct the false sentences:

When the soft, interior parts of fruit are exposed to air, they oxidise.

_____

During oxidation, the fruit gains electrons from oxygen in the air.

_____

The skin of the fruit protects the interior parts from oxidation.

_____

All fruit will oxidise when it is exposed to the air.

_____

LIVEWORKSHEETS

Unscramble the words. Then, use them to complete the text below.

| | | | |
|---|---|---|---|
| aettfnnerimo | | iraecabt | |
| ayset | | habtroyeadscr | |

_____ is the process by which cheese, yoghurts, beer and wine are made. Cheese and yoghurts are made when _____ convert the _____ in milk into lactic acid. Alcoholic drinks, like beer and wine, are made when _____ converts sugar into alcohol.

LIVEWORKSHEETS

Oxidation, fermentation or combustion?

a) When we cut an apple into pieces, it begins to turn brown. _____

b) When we light a candle, it produces light and heat. _____

c) Old cars often go rusty and have orange or red areas. _____

d) We use yeast to make bread, cakes, wine and beer. _____

e) Bacteria convert the carbohydrates in milk into lactic acid. _____

f) In many power stations, coal is burned to produce electricity. _____

LIVEWORKSHEETS