

7F Simple chemical reactions

Extension questions

Science Interactive LTD, PO BOX 50764 LONDON NW6 9AT email: sales@science-interactive.co.uk

web: www.science-interactive.co.uk

Answer the following questions:



[Click mouse to reveal answer](#)

- Q1. What gas do we need to breathe (respire)?
- Q2. What gas is the fuel in a Bunsen burner?
- Q3. What element in milk gives us strong teeth and bones?
- Q4. What is the scientific term for an upset stomach?
- Q5. What do you call a chemical reaction between a substance and oxygen that gives out heat?
- Q6. What do you call the starting substances before a chemical reaction takes place?
- Q7. What do you call the substances formed in a chemical reaction?
- Q8. What element is present in all organic compounds?
- Q9. Name a hard form of limestone that is used to make statues?
- Q10. Oil, gas and coal are all what?
- Q11. What environmental damage is caused by burning fuels that contain sulphur?
- Q12. What do you call compounds that contain a metal, carbon and oxygen only?
- Q13. What do you call a reaction that is very difficult to take back the other way?
- Q14. Which metallic element is used to galvanise steel to reduce corrosion?
- Q15. What do you call medium sized solid lumps of a substance?

7F Simple chemical reactions

Extension questions

Science Interactive LTD, PO BOX 50764 LONDON NW6 9AT email: sales@science-interactive.co.uk

web: www.science-interactive.co.uk

Answers:

A1. Oxygen

A2. Methane

A3. Calcium

A4. Indigestion

A5. Burning or Combustion

A6. Reactants

A7. Products

A8. Carbon

A9. Marble

A10. Fossil fuels

A11. Acid rain

A12. Carbonates

A13. Irreversible

A14. Zinc

A15. Granules

7F Simple chemical reactions

multiple choice

Science Interactive LTD, PO BOX 50764 LONDON NW6 9AT email: sales@science-interactive.co.uk

web: www.science-interactive.co.uk



Click mouse to reveal answer

1: A fuel burns when lighted with a match.
What gas in air does it react with ?

- A Nitrogen
- B Oxygen
- C Carbon dioxide
- D Neon

2: Which one is not an example of a
chemical reaction ?

- A Iron rusting
- B Ice melting
- C Acid neutralising an alkali
- D Magnesium burning in oxygen

3: Which gas turns limewater milky white ?

- A Oxygen
- B Air
- C Carbon dioxide
- D Hydrogen

4: What gas is given off when reactive
metals are place in acids ?

- A Air
- B Carbon dioxide
- C Hydrogen
- D Oxygen

7F Simple chemical reactions

multiple choice

Science Interactive LTD. PO BOX 50764 LONDON NW6 9AT email: sales@science-interactive.co.uk

web: www.science-interactive.co.uk

1: A fuel burns when lighted with a match.
What gas in air does it react with ?

A

B Oxygen

C

D

2: Which one is not an example of a
chemical reaction ?

A

B Ice melting

C

D

3: Which gas turns limewater milky white ?

A

B

C Carbon dioxide

D

4: What gas is given off when reactive
metals are placed in acids ?

A

B

C Hydrogen

D

7F Simple chemical reactions

literacy in science

Science Interactive LTD. PO BOX 50764 LONDON NW6 9AT email: sales@science-interactive.co.uk

web: www.science-interactive.co.uk

Answer all the questions below:



Click mouse to reveal answer

1) Unscramble the following words:

busmtcoion

retaacnts

wen duprocts

rosicoron

2) Make three sentences using the following nine words or phrases:

reactants combine

metal

combustion of a fuel

to form

strong acid

produces

new products

hydrogen gas

carbon dioxide gas

3) Match the word or phrase with the right meaning:

Combustion



The starting materials of a chemical reaction

Reactants



The process of reactants combining to form new products

Chemical reaction



The burning of a fuel or material with oxygen

7F Simple chemical reactions

literacy in science

Science Interactive LTD. PO BOX 50764 LONDON NW6 9AT email: sales@science-interactive.co.uk

web: www.science-interactive.co.uk

Answer all the questions below:

1) Unscramble the following words:

combustion

reactants

new products

corrosion

2) Make three sentences using the following nine words or phrases:

reactants combine

metal

combustion of a fuel

to form

strong acid

produces

new products

hydrogen gas

carbon dioxide gas

3) Match the word or phrase with the right meaning:

Combustion



The burning of a fuel or material with oxygen

Reactants



The starting materials of a chemical reaction

Chemical reaction



The process of reactants combining to form new products

7F Simple chemical reactions

complete the sentence

Science Interactive LTD. PO BOX 50764 LONDON NW6 9AT email: sales@science-interactive.co.uk

web: www.science-interactive.co.uk

Place the right word or words to complete the sentence:



Click mouse to reveal answer

combust

test

hydrogen

changes

colour

coal

products

gas

equation

- During a chemical reaction, new_____ are formed.
- During a chemical reaction_____ occur for example heat energy is produced.
- To show what happens during reaction, we use a chemical _____ .
- A sign of a chemical reaction is a_____change.
- When reactive metals are added to acid,_____ gas is given off.
- The____for hydrogen gas is the 'squeaky-pop test.
- When metals _____in air they form their oxide.
- A fuel like____, oil or gas is a store of chemical energy.
- Bubbling carbon dioxide____ through limewater turns it milky white.

7F Simple chemical reactions

complete the sentence

Science Interactive LTD. PO BOX 50764 LONDON NW6 9AT email: sales@science-interactive.co.uk

web: www.science-interactive.co.uk

Place the right word or words to complete the sentence:

combust

test

hydrogen

changes

colour

coal

products

gas

equation

- During a chemical reaction, new products are formed.
- During a chemical reaction changes occur for example heat energy is produced.
- To show what happens during reaction, we use a chemical equation.
- A sign of a chemical reaction is a colour change.
- When reactive metals are added to acid, hydrogen gas is given off.
- The test for hydrogen gas is the 'squeaky-pop test'.
- When metals combust in air they form their oxide.
- A fuel like coal, oil or gas is a store of chemical energy.
- Bubbling carbon dioxide gas through limewater turns it milky white.