

# 8F Compounds and mixtures

## 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:

mreixtu

ulolesmec

uformla

eelemnt

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

in a compound

hydrogen

copper sulphate

different elements

oxygen combines

contains copper

joined together

forming water

sulphur and oxygen

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

Molecule



Where reactants form new products with different properties

Reaction



Atoms can join up to make these particles during a reaction

Formula



Shows type and number of elements present in a material

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mixture

molecules

formula

element

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# 8F Compounds and mixtures

## complete the sentence

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Place the right word or words to complete the sentence:



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carbon

formula

change

salt

easily

elements

filtration

compound

permanent

- The elements found in a \_\_\_\_\_ can be represented by a chemical formula.
- Copper is an element, copper oxide is a \_\_\_\_\_ .
- The \_\_\_\_\_ for salt is NaCl. The formula for Carbon dioxide is CO<sub>2</sub>.
- In a mixture, elements or substances can be \_\_\_\_\_ separated.
- A compound is two or more different \_\_\_\_\_ joined together by a chemical bond.
- A chemical reaction is a \_\_\_\_\_ change that makes a new product.
- Elements and compounds when heated can \_\_\_\_\_ their state.
- A compound with the formula C<sub>6</sub>H<sub>12</sub>O<sub>6</sub> contains 3 elements: \_\_\_\_\_ , hydrogen and oxygen.
- Sand can be separated from water by \_\_\_\_\_ .

## 8F Compounds and mixtures

### complete the sentence

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Place the right word or words to complete the sentence:

carbon

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- a) The elements found in a compound can be represented by a chemical formula.
- b) Copper is an element, copper oxide is a compound.
- c) The formula for salt is NaCl. The formula for Carbon dioxide is CO<sub>2</sub>.
- d) In a mixture, elements or substances can be easily separated.
- e) A compound is two or more different elements joined together by a chemical bond.
- f) A chemical reaction is a permanent change that makes a new product.
- g) Elements and compounds when heated can change their state.
- h) A compound with the formula C<sub>6</sub>H<sub>12</sub>O<sub>6</sub> contains 3 elements: carbon, hydrogen and oxygen.
- i) Sand can be separated from water by filtration.