

# 8E Atoms and elements

## literacy in science

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

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Answer all the questions below:



Click mouse to reveal answer

1) Unscramble the following words:

pesarticl

omucopnd

elentsem

piicoder btlea

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

all matter  
every element  
reactants

particles / atoms  
symbol  
chemical reaction

made from  
periodic table  
new products

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

Particle

All their atoms or particles are the same type

Compound

All matter is built from these building blocks

Element

Elements combine to form these materials during a reaction

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## complete the sentence

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Place the right word or words to complete the sentence:



Click mouse to reveal answer

join

two

combine

elements

sodium

properties

matter

good

substance

- All \_\_\_\_\_ is made from particles or atoms.
- All \_\_\_\_\_ have their own unique physical properties.
- An element is a pure \_\_\_\_\_ containing only one type of atom.
- Metals are \_\_\_\_\_ conductors of heat and electricity.
- The symbol for \_\_\_\_\_ is Na. The symbol for iron is Fe.
- Elements are grouped according to their \_\_\_\_\_ in the periodic table.
- A compound is \_\_\_\_\_ or more different elements joined by a chemical bond.
- When metals \_\_\_\_\_ with oxygen they form their oxide.
- Atoms can \_\_\_\_\_ up during a chemical reaction forming molecules.

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- a) All matter is made from particles or atoms.
- b) All elements have their own unique physical properties.
- c) An element is a pure substance containing only one type of atom.
- d) Metals are good conductors of heat and electricity.
- e) The symbol for sodium is Na. The symbol for iron is Fe.
- f) Elements are grouped according to their properties in the periodic table.
- g) A compound is two or more different elements joined by a chemical bond.
- h) When metals combine with oxygen they form their oxide.
- i) Atoms can join up during a chemical reaction forming molecules.