

Chemical Changes Homework Week 4



In your jotter write the DATE in the margin.

Now add a TITLE for your homework.

Your title should be the name of the Homework: Chemical Changes Homework Week 4

Question 1.

In vineyards, strips of copper are covered with the skins of fermented grapes. The brown copper reacts with chemicals from the grape skins to form green copper ethanoate, which is known as verdigris.



(a) How can you tell that a chemical reaction has taken place?

Question 2.

In a class, a student accidentally poured sulphur into a jar of iron filings. She decided it would be easiest to separate the two using a magnet. This method would work because

- A The elements have formed a compound and so are not joined to each other
- B The elements have formed a mixture and so are joined to each other
- C The elements have formed a mixture and so are not joined to each other
- D The elements have formed a compound and are joined to each other

Question 3.



Look at the two different particles on.

- a) In your jotter, draw what you think a compound between these two particles would look like.
- b) The particles make a compound called magnesium oxide. What two elements would be used in making this compound?
- c) From what are compounds made?

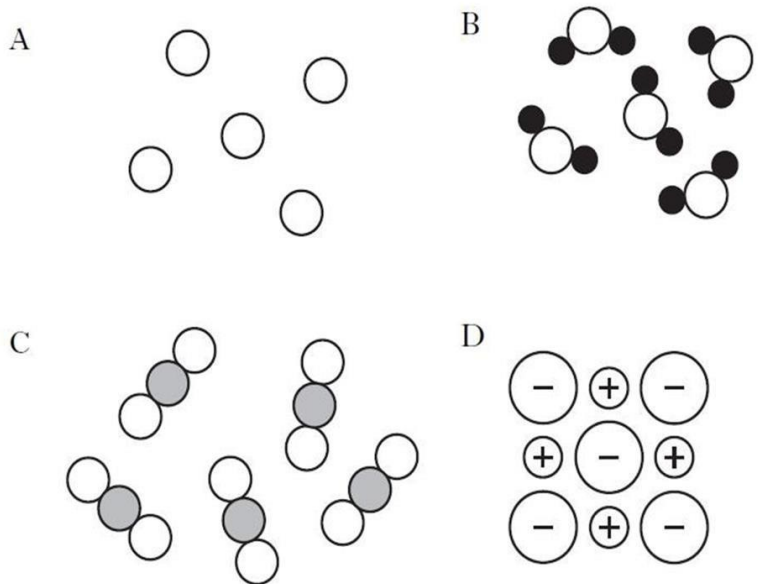
Question 4.

Because zinc can combine with other substances but cannot be changed into a simpler substance by an ordinary chemical process, zinc is classified as —

- A a compound
- B an acid
- C an element
- D a mixture

Question 5.


The structure of substances can be shown as models. Which of the models below show an element?



Question 6.

In a table, divide the list of substances below into 2 groups under the headings: elements and compounds.

hydrogen	lead	nitrogen dioxide	sodium chloride
carbon dioxide	water	iron	magnesium

 A marking guide for this Homework is available (password required).