1 Rearrange the letters of the words in the box to work out the missing word.

A chemical reaction happens when a new _____ is formed.

s c u b a n e t s

2 There are *four* things that can tell us that a chemical reaction has taken place.

a We could see a change of _____ .

b We could see that a _____ is given off.

c We can see a _____ forming in a solution.

d We could see that there is an energy _____ .

3 Draw lines to match each word with its description.

A chemical reaction	A reaction involving breaking down a compound using heat.
A carbonate	The substances formed during a chemical reaction.
Thermal decomposition	The substances you start with in a chemical reaction.
Reactants	The change that always forms one or more new substances.
Products	A metal compound that contains carbon and oxygen.

4 Complete the following word equations for chemical reactions:

a iron + sulfur → iron _____

b mercury oxide → mercury + _____

c _____ _____ → silver + oxygen

LIVEWORKSHEETS

1 Look at the diagram opposite.

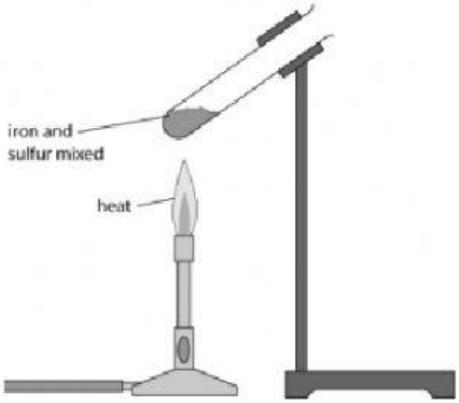
a Name the reactants in this reaction?

b Name the product in this reaction?

_____

c What can you use to separate iron from a mixture of iron and sulfur?

_____



d Describe one difference in properties between the compound and the mixture of iron and sulfur?

_____

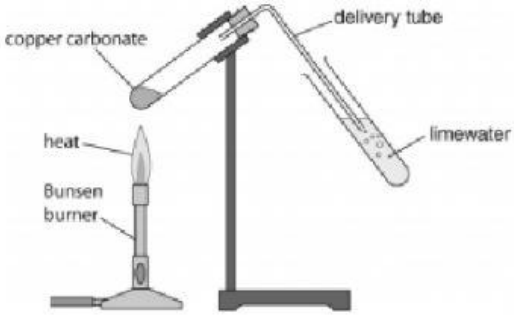
_____

_____

e Complete the word equation for this change.

_____ + _____ → iron sulfide

2 Look at the diagram opposite, which shows how copper carbonate can be broken down.



a What is this kind of reaction called?

_____

b Name the products of this reaction?

_____

c Describe *two* signs that a chemical reaction has occurred?

_____

_____

_____

d Complete the word equation for the change.

copper carbonate → _____ + _____

LIVEWORKSHEETS