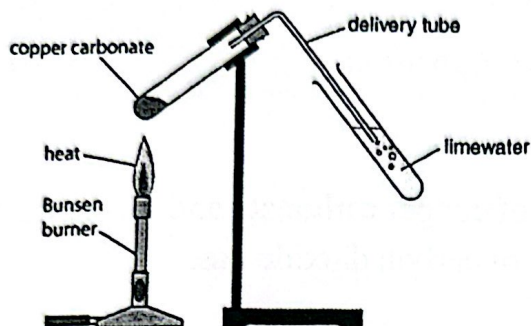


Questions:



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

a What is this kind of reaction called?

Thermal decomposition.

b Name the products of this reaction?

Copper oxide + carbon dioxide

c Describe two signs that a chemical reaction has occurred?

- Colour change [green to black]  
- limewater goes milky.  
[Gas given off]

d Complete the word equation for the change.

copper carbonate  $\rightarrow$  Copper oxide + Carbon dioxide.

e) What is the test for the gas formed in this reaction?

limewater changes to milky or cloudy when carbon dioxide is bubbled through it.