Review Questions

1 Which gas has the highest percentage composition in air?

A Argon
B Oxygen
C Nitrogen
D Carbon dioxide

2 Which of these gases is not present in air?

A Oxygen
B Nitrogen
C Hydrogen
D Carbon dioxide

3 Which of these gases is flammable?

A Neon
B Oxygen
C Hydrogen
D Carbon dioxide

4 Which of these gases produces a white precipitate when bubbled through limewater?

A Oxygen
B Nitrogen
C Hydrogen
D Carbon dioxide

5 Which of these is the lightest gas in air?

A Helium
B Oxygen
C Nitrogen
D Hydrogen

6 Which of these pairs contain only noble gases?

A Helium and argon
B Argon and oxygen
C Helium and nitrogen
D Oxygen and nitrogen

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7 Which of these can be used to test for the presence of water vapour?

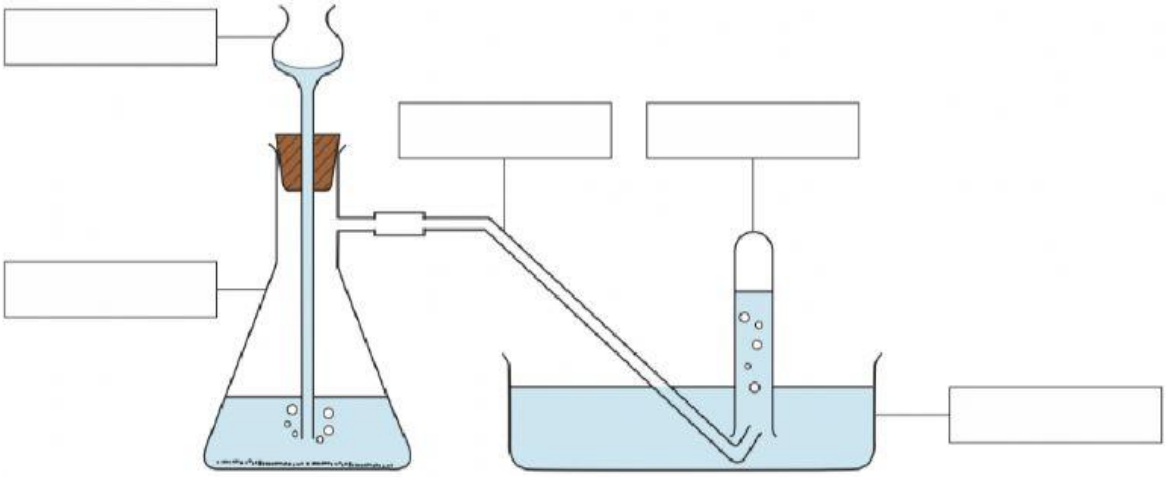
A Blue litmus paper
B Concentrated sulfuric acid
C Blue cobalt chloride paper
D Blue copper sulphate crystals

8 Which of these is a use of hydrogen gas?

A Making frozen food
B To help patients breathe
C Production of fizzy drinks
D Manufacture of margarine

9 Carbon dioxide, oxygen and hydrogen gases are colourless and odourless. Give one test for each gas that would help to identify them.

10 a) The diagram below shows the apparatus set-up that is used to prepare hydrogen in the laboratory. Identify the apparatus shown.



b) Write a word equation for the chemical reaction that takes place.

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