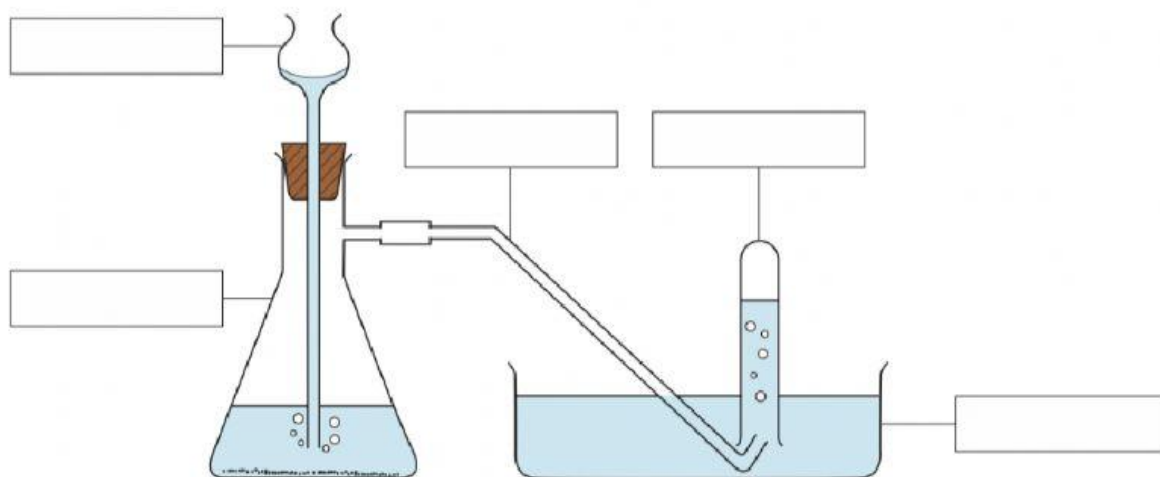




## Review Questions

- 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

- 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.