

---

**CBSE Worksheet-82**  
**Class-VIII Science (Pollution of Air and Water)**

---

1. Water is a :-
  - a. renewable
  - b. non renewable
  - c. recyclable
  - d. both a & c
  
2. Extracts from neem tree are example of :-
  - a. non biodegradable pesticide
  - b. biodegradable pesticide
  - c. pollutants
  - d. fertilizers
  
3. Water that is fit for drinking is called :-
  - a. portable water
  - b. pourable water
  - c. potable water
  - d. ground water
  
4. A poisonous gas that has a strong smell of rotten eggs is :-
  - a. hydrogen sulphide
  - b. hydrogen chloride
  - c. carbon monoxide
  - d. sulphur dioxide
  
5. Match the column :-

| Air pollutant | Source                        |
|---------------|-------------------------------|
| a. CO         | i) drycleaning                |
| b. Acid fumes | ii) stone crushers            |
| c. Smoke      | iii) automobile exhausts      |
| d. Dust       | iv) fungicides                |
| e. Mercury    | v) combustion of fossil fuels |

6. Fill in the blanks :-
- a. \_\_\_\_ is made from natural organic substance, is a biodegradable fertilizer.
  - b. Filtered water may still have \_\_\_\_ in it.
  - c. \_\_\_\_ the water for 20 minutes kills all microbes.
  - d. \_\_\_\_ is the combination of smoke and fog.
  - e. Very small particles of solids and liquids suspended in air are called \_\_\_\_ .
7. Describe greenhouse effect? Name any four greenhouse gases and measures to reduce them.
8. List some of the most hazardous effect of air pollution on human society?
9. What does the following image show?



10. Write the correct words by putting letters in correct sequence-
- i) ribsoncith
  - ii) pantectouiihor

**Answer Key:-**

1. d
2. b
3. c
4. a
5. a. iii, b. i, c. v, d. ii, e. iv.
6. compost, germs, boiling, smog, particulates.
7. A greenhouse is an enclosure of glass in which plants are kept to protect them from the cold air outside. The glass traps the heat of the sun, making the air inside warmer. In a quite similar way the carbon dioxide in the air traps the heat of the sun radiated back by the earth. This makes the air warm and comfortable for living beings, and in fact makes it possible for life to exist on the earth.  
But excess increase in carbon dioxide has made much more warmer than required and this is known as greenhouse effect. Greenhouse gases include carbon dioxide, methane, ozone, water vapour, nitrogen oxides etc.
8. **(i) Global warming** → Due to increase in the thickness of layer of greenhouse gases in atmosphere more heat is being retained thus raising the earth's average temperature. This increase in temperature worldwide is called global warming. This would affect agriculture & cause melting of ice caps, irregular rainfall, warmer weather etc.  
**(ii) Acid rain** → Sulphur dioxide and nitrogen dioxide are produced by burning of fossil fuels and in the atmosphere they react with water vapour to form sulphuric and nitric acid. Both are strong and highly corrosive in nature. They come down with rain, making rain water significantly acidic. Such rain is called acid rain. They particularly harm stone structures and buildings, damages crops and forests, makes lakes and streams acidic and unsuitable for organisms.
9. It shows a eutrophic pond.
10. i) bronchitis  
ii) eutrophication

\*\*\*\*\*