



(Academic Session: 2024 - 2025)

HAND WRITTEN SOLUTIONS

CLASS VI

CHEMISTRY

AIR AROUND US

Your Hard Work Leads to Strong Foundation

Dear students,

These are some suggested ways to write/solve exam questions.

1. Write answers according to word limit/marks given.
2. Handwriting should be neat and clean and the answer should be written pointwise (stepwise).
3. Draw neat and labelled diagrams using pencils wherever required.
4. For doing rough work, draw a margin on the right side of a page and mark it as "Rough" so that answer copy looks clean.
5. Leave atleast 2 lines before and after every questions.
6. Avoid overthinking.

NOTE:- These are some standard instructions given by school teacher should also be kept in mind.

Q.1 What is atmosphere?

(1 Mark)

Ans. A layer of air surrounding the earth and retained by the earth's gravity is called atmosphere.

Q.2 What do you mean by oxygen cycle?

(1 Mark)

Ans. The continual interchange of oxygen between the atmosphere and the water, the plants and animals and mineral water is called the oxygen cycle.

Q.3 Write any two properties of air.

(2 Marks)

Ans. (i) Air is a colourless, odourless, and tasteless gas.
(ii) Air occupies space.

Q.4 Why air is called a mixture?

(2 Marks)

Ans. Air is called a mixture because air is not a single substance.

It consists of many gases like, nitrogen, oxygen, carbon dioxide and water vapour. The constituents of air are not chemically combined.

Q. NO.

Q. 5. Write the harmful effects of air pollution. (3 Marks)

Ans. Harmful effects of air pollution -

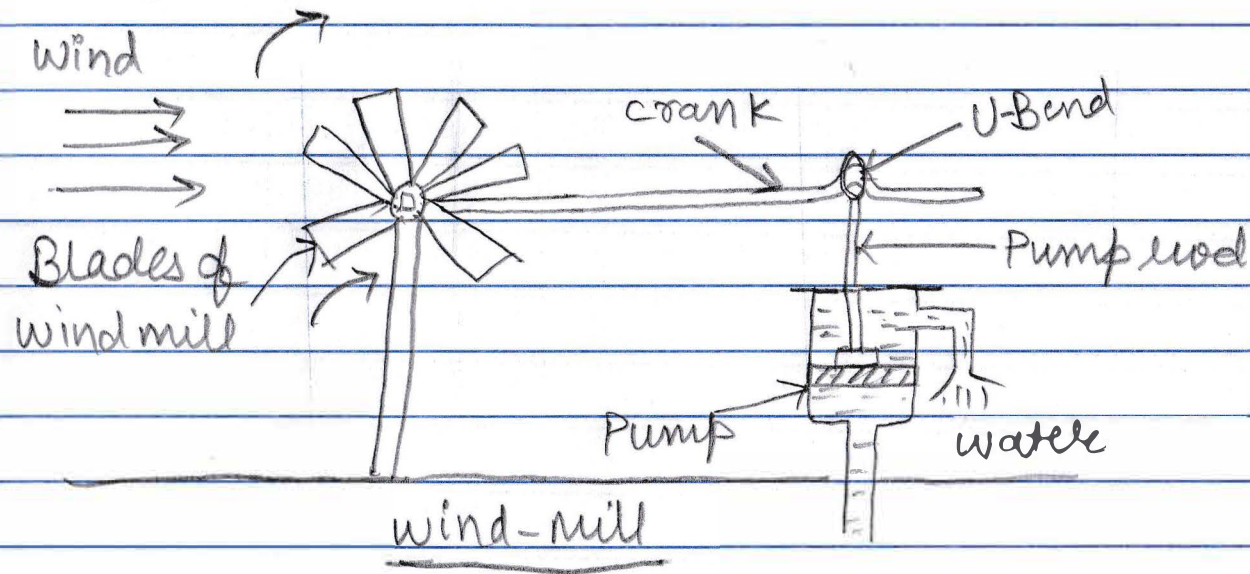
- (i) Acid rain
- (ii) Respiratory problem
- (iii) Ozone layer depletion
- (iv) Skin damage
- (v) Climate change
- (vi) Global warming.

Q. 6. Explain why a burning candle stops burning if covered with a glass tumbler? (3 Marks)

Ans. As burning can occur only in the presence of oxygen we see that one component of air is oxygen. But the amount of air and oxygen inside each glass is limited. Thus most of oxygen is used up by the burning candle. It will no longer burn and thus it blows out. Hence, due to absence of oxygen, burning candle stops burning.

1. Explain the working of windmill with a diagram. (5 marks)

Blowing air (called wind) is used to turn the blades of wind-mills. Wind-mill works to draw water from the ground. The blowing air (wind) rotates the wind-mill blades continuously.



When the blades rotate, the crank attached to the blades also rotates. When the crank rotates, then its U-Bend lifts the pump rod up and down continuously. The rod works the pump which lifts the water from ground.