

## Chapter 6: Air and Atmosphere

### Worksheet 1

#### 1. Write T for true and F for false statement.

- (i) The moving air is called wind.
- (ii) Carbon monoxide gas turns limewater milky.
- (iii) Oxygen gas is essential for burning of materials.
- (iv) Respiration and transpiration maintain the balance of carbon dioxide and oxygen in the atmosphere.
- (v) The percentage of oxygen in air on mountains is less than on the ground.

#### 2. Give one word for the following.

- (i) The gas used by green plants for making their food through photosynthesis.
- (ii) Particles that can be seen floating in a beam of light in a darkroom.
- (iii) The gas which is essential for breathing.
- (iv) The gas used as a fire extinguisher.
- (v) This helps to separate husk from grains by the method of winnowing.

#### 3. Match the columns.

##### Column A

- (i) Percentage of oxygen
- (ii) Percentage of water vapour
- (iii) The thick layer of air
- (iv) Fast process
- (v) Slow process

##### Column B

- (a) Respiration
- (b) Combustion
- (c) 21%
- (d) Varies from place-to-place
- (e) Atmosphere

#### 4. Answer these questions.

- (i) List two important uses of air.
- (ii) Which gas makes up about 78% of air?
- (iii) What do plants take in during respiration?
- (iv) Find the percentage of carbon dioxide and noble gases in air.
- (v) Define air pollution. Mention four air pollutants.

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### Worksheet 2

#### 1. Write T for true and F for false statement.

- (i) Nitrogen is used to make fertilisers.
- (ii) Neon is used in tubelights.
- (iii) Oxygen is used in food packaging.
- (iv) Respiration occurs outside the body of an organism.
- (v) Oxygen is released in photosynthesis.

#### 2. Match the columns.

##### Column A

- (i) Respiration
- (ii) Combustion
- (iii) Petrol
- (iv) Coal
- (v) CNG

##### Column B

- (a) Liquid fuel
- (b) Solid fuel
- (c) Gaseous fuel
- (d) Not a natural process
- (e) Natural process

#### 3. Answer these questions.

- (i) What products are formed during respiration and combustion?
- (ii) What is the importance of carbon dioxide for plants?
- (iii) In which areas does the air have greater percentage of water vapour?
- (iv) How is smoke produced?
- (v) Name the process of burning.

#### 4. Draw a pie chart showing composition of air.