

# SCIENCE CHAPTER 8

## AIR

### EXERCISES

#### A. Short answer question

1. How do we feel air?

**Ans .** We can feel air by its presence when it moves around us.

2. Write the composition of air?

**Ans.** Air is a mixture of many gases along with water vapour, dust particles and smoke. The gases which present in air are nitrogen, oxygen, carbon dioxide, argon and neon.

3. What is meant by humidity?

**Ans.** The amount of water vapour present in air is called humidity.

4. How do winds form?

**Ans.** The air becomes warm due to the heat of the Sun. The warm air being lighter and rises up. The cool air being heavier takes its place. By this way wind is formed following the property of convection of current.

5. What are summer monsoon wind?

**Ans.** In summer , the lands heats up faster than the ocean water . As a result the air gets heated and rises up. This causes the flow of colder wind (with water vapour) from the oceans towards the lands and bring rain . These are called summer monsoon winds.

#### B. Long answer questions:

1. Write the properties of air. How is air helpful in burning?

**Ans.** Properties of air:

- a. Air occupies space.
- b. Air has weight.
- c. Air exerts pressure.

- d. Air supports burning.
- e. Air expands on heating and contracts on cooling.
- f. Hot air is lighter than cold air.

## for the second part of this answer , you have to write the activity from page no 73 related to the property i.e. air supports burning. Write the full experiment along with diagram .

2. What is land breeze ? Describe with the help of a labelled diagram

Answer key for this answer , see page no 77 (along with diagram)

3. What is sea breeze ? Describe with the help of a labelled diagram.

Answer key for this answer , see page no 76 (along with diagram)

4. Write any two applications of convection of currents.

Answer key for this answer , see page no 77

### Page no 75 – Exercise for revision (answers only)

- A. 1. We can feel air.  
2. hydrogen  
3. oxygen  
4. It does not support burning

B. Fill in the blanks:

1. Water vapour
2. Nitrogen
3. Space
4. Lighter

### Page no 77 – Exercise for revision (answers only)

A. Fill in the blanks

1. Rises up
2. sea
3. land
4. top

B. Write T for true and F for false sentences. Rewrite the false sentence only

1. False , Salt and water absorb different amount of heat.
2. False, A coastal breeze blowing from the sea towards the land is called the sea breeze.
3. True
4. True.

**##Write objectives in the book and question answers in your school copy.**