St. Andrews Scots School

Adjacent Navniti Apartment, Patparganj, Delhi–92
Session: 2026 –2027
SUBJECT- SCIENCE

Class: IV Topic: Weather and Air Lesson No:11

- Reading of the chapter
- Explanation (will be done in class)

Book Exercises

Check point-1

1. Weather
2. Meteorologist
3. Meteorolgy
4. Climate

Check point 2

1. Mixture
2. Nitrogen , oxygen
3. Light
4. Heat
5. Night

Exercises

A. **Fill in the blanks.**

1. Weather
2. Slanting
3. Wind
4. atmosphere
5. Lighter

B. True/False

1. True
2. False

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3. False
4. False
5. True

C. Match the columns

1. Wind
2. Night
3. Daytime
4. Atmosphere

Learn Defines from page no.116

Notebook work

New words

1. land breeze
2. meteorologist
3. forecasts
4. weather
5. atmosphere
6. climate
7. sea breeze
8. temperature
9. straight
10. comfortable

D. Answers the following questions

1.What is meant by weather?

Ans. Weather is a state of the atmosphere at a particular place and time.

2. What causes changes in weather?

Ans. Temperature causes changes in weather. It is usually higher during the day than at night.

3. Who is a meteorologist?

Ans. A person who studies the earth's atmosphere and forecasts weather is called a meteorologist.

4. What type of climate is found in deserts and Antarctica?

Ans. Deserts have a hot and dry climate while the Antarctica has a very cold and dry climate.

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5. Which gases are present in air?

Ans. Air contains nitrogen, oxygen, carbon dioxide, water vapour and other gases.

6. What is sea breeze? How does it occur?

Ans. The air which blows from sea to land in coastal areas during the daytime is called sea breeze. During the daytime when the sun shines brightly, the land near the sea gets heated faster than the sea water. The air above the land becomes warm and rises up. The cool air from sea rushes towards the land to take the place of the warm air that has risen up. This gives rise to sea breeze.

7. What is land breeze? How does it occur?

Ans. The air which blows from land to sea in coastal areas during night at is called land breeze. At night after the sunset, the land near the sea becomes cool faster than the sea water. As the air above the sea is still warm, it rises up and the cool air from the land rushes towards the sea to take its place. This gives rise to land breeze.

Think Zone

1.We see people walking in a park early in the morning. Why?

Ans. People walk in a park early in the morning because mornings are cooler and it is optimum time for outdoor exercises as compared with later in the day. Besides this, the sunrays falling on the Earth at this time help in the formation of vitamin D in the body.

DIAGRAM

Draw a well labelled diagram of sea breeze and land breeze.

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