
Weather and Climate

Exercises

A. Multiple choice questions:

1. Clouds are made up of
 - a. steam
 - b. water droplets
 - c. frozen ice
 - d. both b and c
2. With increase in altitude, temperature of the atmosphere
 - a. increases
 - b. remains constant
 - c. decreases
 - d. may increase or decrease
3. Which of the following is an element of weather?
 - a. Temperature
 - b. Humidity
 - c. Altitude
 - d. All the above
4. There is a variation in air pressure from place to place and time to time not due to
 - a. temperature
 - b. Earth's rotation
 - c. altitude
 - d. moisture
5. Mercury or Aneroid Barometer is used to measure
 - a. atmospheric pressure
 - b. wind direction
 - c. atmospheric temperature
 - d. moisture
6. Temperature
 - a. increases as you go further from the equator and decreases with altitude.
 - b. decreases as you go further from the equator and decreases with altitude.
 - c. increases as you go further from the equator and increases with altitude.
 - d. decreases as you go further from the equator and increases with altitude.

B. Define the following:

1. Weather
2. Lapse rate
3. Precipitation
4. Climate

C. Fill in the blanks:

1. The difference in air pressure between two places leads to _____.
2. The moisture content of the atmosphere is called _____.
3. The density and pressure of air _____ with altitude.
4. _____ air rises up making air pressure at that place _____, and the cool air moves in to take its place.
5. Air moves from the region where the pressure is _____ to a region where the pressure is _____.

D. Answer the following:

1. Name the important elements of weather.
2. How is cloud cover responsible for affecting weather conditions?
3. What do you mean by atmospheric pressure?
4. What is precipitation? What are the different types of precipitation?