

SCHOOL ACCOLADES

Std 5

Elementary Science

Weekly worksheet of 2nd term (4th week)

22.06.2021	Chapter-11	Learn 3times page-73-80
24.06.2021	Chapter-11	Word meaning, fill in the blanks, matching sentences
27.06.2021	Chapter-11	Short & descriptive questions from book
28.06.2021	Chapter-11	Answer to the board questions

Chapter-11:

Word meaning:

- 1.air pressure: The force produced by the weight of the air pressing down on the earth.
- 2.climate: The usual Weather pattern at particular place for a long period of time.
- 3.cold waves: Occurrence of extreme low temperature in association with incursion of dry cold winds from north into our country.
- 4.drought: A long period of dry weather with abnormally low rainfall.
- 5.heat wave: A prolonged period of excessively hot weather.
- 6.humidity: a measure of how much moisture is in the air.
- 7.precipitation: Any form of water that falls from clouds down to Earth's surface.
- 8.weather: The temporary state of sky and atmosphere at a certain place and time.

Short Question Answer:

1.Name three natural disasters taking place in Bangladesh are:

Ans: Three natural disasters taking place in Bangladesh are:

1)Norwester 2) Tornado 3) Cyclone.

2. What is weather?

Ans:Weather is the temporary state of sky and the atmosphere at a certain place.

3.What are the components of climate?

Ans:Temperature humidity, wind, cloud , rainfall and air pressure are the components of climate.

4.When does air blow from the ocean to land?

Ans: Air blows from the ocean to land when low pressure develops in land and high pressure develops in the ocean.

5.How does weather forecast help you in your life?

Ans: Weather forecast helps us in deciding what to wear and what to do.

Descriptive Question Answer:

1.What is air pressure?

Ans: Air is a mixture of various gases that surrounds the earth and it is a substance having weight. Thus the weight or pressure of air or atmosphere is known as atmospheric pressure. Atmospheric pressure decreases gradually from the earth surface to upwards. Wind blows depending on atmospheric pressure. That is, air flows from a place of high atmospheric pressure to a place of low atmospheric pressure.

2.How does low air pressure creat?

Ans: Air is a mixture of different gases that surrounds the earth .Air is a substance by nature and as such it has weight or pressure. Again, air pressure depends on temperature. When air of a place gets hot due to some reasons , it's temperature gradually rises up and its pressure gradually goes down and thus being light, it goes upwards. As a result, that very place becomes airless gradually creating low atmospheric pressure. This is how , low atmospheric pressure is created at some places.

3.Why is there more rainfall during rainy season in Bangladesh?

Ans: There is a vast expanse of watermass namely the Bay of Bengal to the south of Bangladesh.In the rainy season, a plenty of water vapor is formed in the Bay of Bengal .The monsoon carries and abundant quantity of water vapour to this land in the rainy season.When it cools down, it causes huge rainfall.This is why there is more rainfall in Bangladesh during the rainy season.

4.Explain what the cause of the kalbaishakhi is.

Ans: Kalbaishakhi or Nor' wester is a kind of disaster .It hits Bangladesh almost every year in the summer. Nor' wester refers to thunder storm commonly known as tornado . In Bangladesh, it occurs in the month of Baishakh (April-May) due to low atmospheric pressure.It takes place at any place and at any time and causes huge ravages within a short time.

5.How do weather and climate alike and different?

Ans: The components of weather and climate are the same such as temperature, humidity, wind , cloud, rainfall and air pressure.Yet weather and climate are not the same.Weather is the condition of sky and the atmosphere of a place for a short time.Climate is the average condition of weather of a place for many years, usually not less than 25 years.

6.Which month is better for going on a picnic , July or January? Why?

Ans:January is better for going on a picnic .Climatologically , the rainy season starts in the middle of June and ends in August in our country.And in January, it is winter in Bangladesh.Since it is wet and rainy during July, it is better to go for a picnic in January.

Answer to the board questions:

1.Write one difference between weather and climate.

Ans: Weather and climate are not the same though there is a close relation between them.Weather is the condition of wind flow , air pressure, rainfall, humidity and temperature of a place for a short time.Climate is the average condition of weather of a place for a long period, usually 25 years to 30 years.

2.What is climate change?

Ans: The significant and persistent change in the climate and its variability is called climate change.

3.Why does Nor' wester or kal-Baishakhi grow?

Ans: Nor' wester place due to heating of the earth's surface.It is most frequent in the late afternoon during summer.

4.Generally in which month from February to June the humidity remains lower in Bangladesh?

Ans: Humidity remains lower in Bangladesh in March.

5.Write the names of two search engines.

Ans:Two names of search engines:

1)Google

2)Pipilika

6.Write the names of two components of weather.

Ans: Two components of weather are:

1)humidity

2)rain.

7.Write the names of two components of climate.

Ans:Two components of climate are:

1)temperature

2)humidity

8.How does low air pressure creat?

Ans: During day time , land becomes warmer than water and the warmer land warms the air above.This warm air becomes lighter than the surrounding air and so it rises up.As a result, low air pressure takes place in that area.

9.Write a difference between weather and climate.

Ans: Weather and climate are not the same, though they consist of the same components.Weather is the condition of sky and the atmosphere of a place for a short time.Climate is the average condition of weather of a place for many years, usually 25-30 years.

10.Write two reasons causing more rainfall during the rainy season in Bangladesh.

Ans: Two reasons causing more rainfall during the rainy season:

1)During the rainy season, the average humidity and rainfall are higher than those in the other months.

2)The south-west seasonal wind brings much moisture from the Bay of Bengal during the rainy season that causes heavy rainfall.

11.Write two causes of cyclone.

Ans: Causes of cyclone:

1)flow of hot air from the Indian Ocean and the Bay of Bengal.

2)flow of water vapour from the Indian Ocean and the Bay of Bengal.

12.In which process water vapour turns into clouds?

Ans: Being lighter than air , water vapour goes up, cools down and turns into small particles of water which gather to form clouds in the sky.

13.What is humidity?

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

14.What is tornado?

Ans: Tornado is a natural calamity caused due to depression.

15.In which process does water vapour turns into clouds?

Ans: In the process of condensation water vapour turns into clouds.

16. In which direction the monsoon wind flows in winter?

Ans: The monsoon wind flows towards the north from the south in winter.

17.What is air pressure?

Ans: The pressure of a huge volume of air due to its weight is called air pressure.

18.Write the names of two weather components.Write a difference between weather and climate.Write two reasons for causing Kal- Boishakhi.

Ans:The names of two components of weather are temperature and humidity.

Difference between weather and climate:

Weather and climate are not the same though they consist of the same components.Weather is the condition of sky and the atmosphere of a place for a short time.Climate is the average condition of weather of a place for many years, usually 25- 30 years .

Two reasons of Kal – Boishakhi:

1)surface heating

2)low atmospheric pressure.

19. Write three components of weather and climate.Write three effects of the change in weather components.

Ans: The components of weather and climate are the same .Three components of weather and climate are as follows:

1)temperature

2)humidity

3)rainfall.

Each of the weather components changes all the time. When one of the weather components changes beyond a normal range, we experience the extremely of weather. Damages to life and property take place.

Three effects of the changes in weather components:

- 1) drought
- 2) flood
- 3) Nor' wester or Kal- Boishakhi.

20. What is weather?

Write four sentences about how low air pressure creates.

Ans: Weather is the short-lasting state of sky and the atmosphere at a certain place. Air pressure depends on temperature. So, when air of a place gets hot due to some reasons, its temperature gradually rises up while its weight or pressure gradually goes down and thus being lighter, it goes upward. As a result, that very place becomes airless gradually creating low atmospheric pressure. In this way, low atmospheric pressure is created at some places.

21. What is air pressure? Write in three sentences why is there more rainfall during rainy season in Bangladesh.

Ans: Air pressure refers to the weight of a huge volume of air- column .

In the rainy season, air pressure of the land of Bangladesh remains low due to excessive heat of sunlight. So , to balance air pressure, air containing more water vapour comes from the Bay of Bengal to Bangladesh. The air then gets hot , rises up, cools down to form clouds and unlimited falls down as rain. This is why there is more rainfall during rainy season.

Fill in the blanks:

1. During the daytime, land becomes _____ than water. (!warmer)
2. Nor' wester grows by surface _____. (warning)
3. The warmer air of low pressure area becomes _____ and rises up. (water vapor)
4. The _____ monsoon wind brings cold dry air from the northern land in winter. (northeast)
5. Wind blows from high pressure to _____ area .(lower pressure)
6. Weather is the _____ condition of sky and the atmosphere at a certain place.(temporary)
7. Excessive heat of surface creates _____. (kal-Boishakhi)

Matching sentences:

Left	Right
Weather becomes different	All the time.
The rainy season of Bangladesh	Due to tornado.
Sand surface cools down	Is created due to cyclone.
Humidity is the measure	Is called drought.
Nor' wester takes place	Period of excessively hot weather.
A heat waves is a prolonged	Surface heating.
Usually a long period of dry weather	Of the amount of moisture is in air.
Sometimes, strong surge	At night.
Severe crop failure occurs	Starts in the middle of June.
Weather components change	In different places.