

1st Term Worksheet

Subject – Geography

Class – VII

Name :

Sec. :

Chapter – 2 [Global Warming]

Glossary:

[25]

Abrupt: _____

Aerosols: _____

Equilibrium: _____

Food web: _____

Greenhouse: _____

Infrared rays: _____

Exercise:

[26-27]

[A] Choose the correct answers: [26]

- The level of which gas rises due to the use of manures and fertilisers?
(a) carbon dioxide (b) nitrous oxide (c) methane
- Which gas is absorbed by the plants?
(a) carbon dioxide (b) methane (c) CFC
- Which gas mainly causes the depletion of the ozone layer?
(a) CFC (b) methane (c) carbon dioxide
- What saves us from the ultra violet rays?
(a) greenhouse (b) carbon dioxide (c) ozone
- Aerosols contain _____.
(a) nitrous oxide (b) CFCs (c) methane

[B] State whether the sentences are true or false: [26]

- The ultraviolet rays do not harm us. _____
- Methane is a greenhouse gas. _____
- Planting trees can reduce global warming. _____
- Global warming prevents heavy downpour of rain. _____
- Water vapour is a greenhouse gas. _____

[C] Fill in the blanks with suitable words: [26]

- O₃ represents _____.
- Mining results in the release of _____ from under the ground.
- UV rays cause _____ cancer.
- The greenhouse gases trap some of the _____ rays before they can escape into the outer space.
- The burning of _____ fuels emits the greenhouse gases.

[D] Answer the following questions in 1-2 sentences: [26]

- Name two greenhouse gases.

Ans. _____

- Name a household product which emits CFCs.

Ans. _____

3. What has led to the lowering of the water table?

Ans. _____

4. What does CFC stand for?

Ans. _____

5. What causes heat strokes?

Ans. _____

[E] Answer the following questions in 4-5 sentences: [26]

1. What are the health hazards of global warming?

Ans. _____

2. What could be the consequences of the melting of the ice caps?

Ans. _____

3. What is meant by the ozone layer?

Ans. _____

4. Can global warming bring about a climate change?

Ans. _____

[26]

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[illegible][illegible]

[27]

- [illegible]

- [illegible]

[H] Complete the table:

[27]

The breaking down of the molecules in the bodies of the organisms after death is known as	
	Causes a large-scale destruction of flora and fauna.
Ozone layer is depleted by chemicals containing	
	Is being disturbed due to human activities.
Excessive use of electricity creates pressure on	

[I] Draw and label diagram.

[27]

Draw a diagram explaining the Greenhouse Effect and label it.

[J] Picture study:

[27]



1. What do you see in the picture? What is happening to these due to global warming?

Ans.

2. What could be its consequences?

Ans.

Chapter – 3**[Atmospheric pressure]****Glossary:****[38]**

Absolute humidity: _____

Atmospheric pressure: _____

Coriolis force: _____

Breeze: _____

Dew point: _____

Doldrums: _____

Ferrel's law: _____

Horse latitudes: _____

Local winds: _____

Periodic winds: _____

Planetary winds: _____

Precipitation: _____

Seasonal winds: _____

Exercise:**[39-40]****[A]** Choose the correct answers:**[39]**

- The air closest to the ground is denser because of _____.
(a) condensation (b) gravitational pull (c) evaporation
- The movement of the Earth around its axis once in every 24 hours is called _____.
(a) revolution (b) rotation (c) circulation
- Temperate cyclones have _____ rain.
(a) light (b) heavy (c) moderate
- Monsoon winds follow a _____ pattern.
(a) season (b) monthly (c) periodic
- Southwest monsoon is also known as the _____ rain.
(a) summer (b) winter (c) autumnal

[B] State whether the sentences are true or false:**[39]**

- Wind is the horizontal movement of air near the Earth's surface due to difference in atmospheric pressure. _____
- In a cyclone the winds blow clockwise in the northern hemisphere. _____
- The process of change from a liquid to a gaseous state is called evaporation. _____
- Winter monsoon causes heavy rainfall over a period of time. _____
- The higher the temperature the lower is the pressure. _____

[C] Fill in the blanks with suitable words:**[39]**

- Saturation point is reached when the atmosphere has a relative _____ of 100 percent.
- _____ are Equatorial low pressure belts between 5°N and 5°S.
- _____ rainfall occurs due to the meeting of warm and cold air masses.
- The _____ can bring rain because they blow over warm ocean currents and go from warmer to cooler areas.
- Air pressure is measured in unit called _____.

[D]

Answer the following questions in 1-2 sentences:

[39]

1. What is dew point?

Ans.

2. What are the types of rainfall?

Ans.

3. What is horse latitude?

Ans.

4. What is a barometer?

Ans.

5. Name two different forms of condensation.

Ans.

[E]

Answer the following questions in 4-5 sentences:

[39]

1. What is absolute humidity?

Ans.

2. What is the process of evaporation?

Ans.

3. What is atmospheric pressure?

Ans.

4. What is a barograph?

Ans. _____

5. What happens to the vapour when the air exceptionally clean?

Ans. _____

[F] Answer the following questions in 8-10 sentences: [40]

1. Describe any two types of wind.

Ans. _____

2. What are the factors that affect atmospheric pressure?

Ans. _____

Ans.

[illegible]

Ans.

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

5. What are cyclones and anti-cyclones?

Ans.

[illegible]

[G] Think and Answer:

[40]

1. Why do areas close to the Equator have low pressure?

Ans.

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2. Why does the eastern slope of the Western Ghats get less rain than the western slope?

Ans.

[H]

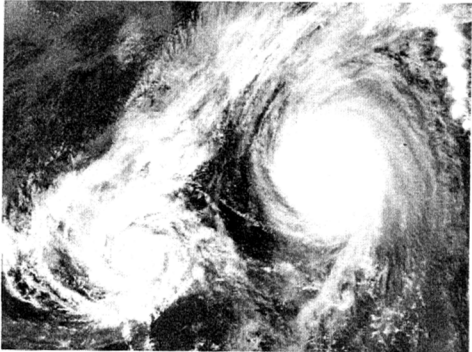
Draw and label diagram:
Draw and label two diagrams showing the movement of land and sea breeze.

[40]

[H]

Picture study:

[40]



1. What is the weather phenomenon depicted in the picture?

Ans.

2. When does this occur?

Ans.

Chapter – 4**[Weather and Climate]****Glossary:****[46]**

Absolute humidity: _____

Anemograph: _____

Aneroid barometer: _____

Barograph: _____

Humidity: _____

Hygrometer: _____

Mean monthly temperature: _____

Pluviograph: _____

Wind vane: _____

Exercise:**[47-48]****[A]** Choose the correct answers:**[47]**

1. What is the freezing point of a Fahrenheit thermometer?

(a) 32°F

(b) 45°F

(c) 60°F

2. What is the instrument used to measure air pressure?

(a) aneroid barometer

(b) thermometer

(c) hygrometer

3. When can we say that the wind speed is strong?

(a) above 20 km/hr

(b) above 40 km/hr

(c) above 100 km/hr

4. What is a rain gauge used to measure?

(a) humidity

(b) temperature

(c) rainfall

5. Millibar is the measuring unit for _____

(a) atmospheric pressure

(b) rainfall

(c) wind speed

[B] State whether the sentences are true or false:**[47]**

1. Weather is the atmospheric condition of a larger area over a longer period of time. _____

2. Aneroid barometer is used to measure humidity. _____

3. Temperature is measured by hygrometer. _____

4. The maximum thermometer measures the highest temperature. _____

5. The anemograph is used to measure wind speed. _____

[C] Fill in the blanks with suitable words:**[47]**

1. _____ is used to record the quantity and duration of rainfall on a graph paper.

2. _____ is used for measuring temperature.

3. _____ is the actual amount of water vapour present in the air.

4. _____ expands heated and contracts when cooled.

5. _____ is the horizontal movement of air over the Earth's surface.

[D] Answer the following questions in 1-2 sentences:**[47]**

1. What is absolute humidity?

Ans. _____

2. How much time is needed to gauge the average climate condition of a region?

Ans.

3. What is a barograph?

Ans.

4. What is used to observe the direction of wind?

Ans.

5. What is an anemograph?

Ans.

[E] Answer the following questions in 4-5 sentences:

[47]

1. What is climate?

Ans.

2. How is daily weather recorded?

Ans.

3. What does steady high pressure indicate?

Ans.

4. When does air hold more water vapour?

Ans.

5. How is mean monthly temperature calculated?

Ans.

[F] Answer the following questions in 8-10 sentences: [47]

1. Differentiate between weather and climate.

Ans.

2. How is an anemometer helpful in checking wind speed?

Ans.

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3. How can we determine the humidity level in the air?

Ans.

[illegible]

4. Describe a rain gauge?

Ans.

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5. What is the purpose of a maximum and minimum thermometer?

Ans.

[illegible]

[G] Think and Answer:

[48]

How do you think the topography of a place influences the climate conditions in an area?

Ans.

[illegible]

[H] Draw and label diagram: [48]

Draw and label a Six's thermometer.

[I] Complete the table: [48]

Fill in the table with definitions or characteristics or identification or differences between topics:

Humidity is measured with the help of	
Air is made up of gases that have weight and exert pressure on the Earth's surface called	
	Can automatically and continuously record variations of humidity in the air on a graph paper.
Weather conditions include	

[J] Picture study: [48]



1. Name this instrument.
-
2. What is this instrument used for?
-
-

Chapter – 5

[Soil and Weathering]

Glossary:

[57]

Aggradation: _____

Degradation: _____

Denudation: _____

Crystallisation: _____
Exfoliation: _____

Porosity of rocks: _____

Sheeting: _____

Topography: _____

Exercise:

[58-59]

[A] Choose the correct answers: [58]

1. How many types of weathering are there?
(a) one (b) two (c) three
2. What is the weathering caused by the repeated freezing and thawing of ice crystals known as?
(a) salt weathering (b) block disintegration (c) frost action
3. Which kind of weathering is also known as onion peeling?
(a) sheeting (b) exfoliation (c) granular disintegration
4. Which layer of soil consists of the parent bedrock?
(a) D horizon (b) C horizon (c) B horizon
5. What is hydration?
(a) erosion of soil caused by roots
(b) weathering caused by the absorption of water by rocks
(c) rusting

[B] State whether the sentences are true or false: [58]

1. Limestone dissolves completely when exposed to rainwater. _____
2. Chemical weathering makes rock vulnerable to physical weathering. _____
3. Use of chemical fertilisers makes soil more fertile. _____
4. Terrace farming is practised in river valleys. _____
5. Legumes are grown for nitrogen fixation.

[C] Fill in the blanks with suitable words: [47]

1. When plant and animals remains are attacked by fungi and bacteria they form a dark brown or black product called _____.
2. Rusting is another name for _____.
3. Some bacteria secrete _____ solutions and speed up the chemical weathering.
4. The weathering which happens when oxygen is removed from a compound is known as _____.

5. D-horizon is basically the parent bedrock which is not _____.

[D] Answer the following questions in 1-2 sentences:

[59]

1. Name two rocks which dissolve completely when exposed to rainwater.

Ans. _____

2. Which animals cause weathering?

Ans. _____

3. Which layer of soil is known as the subsoil?

Ans. _____

4. What is contained in the C-horizon?

Ans. _____

5. The chemical weathering of which rock leads to the formation of caves and caverns?

Ans. _____

[E] Answer the following questions in 4-5 sentences:

[59]

1. What is crop rotation?

Ans. _____

2. What is meant by biochemical weathering?

Ans. _____

[illegible][illegible][illegible]

[59]

[illegible]

[illegible]

2. What are the differences between weathering and erosion?

Ans.

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3. What are the different methods of soil conservation?

Ans.

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4. Describe any three types of chemical weathering.

Ans.

5. What is meant by biological weathering? Explain with examples.

Ans.

[G] Think and Answer:

[59]

The Earth is wonderful place with a variety of physical features which add to its beauty. How does weathering bring about diversities in the landforms of the Earth? Think and answer.

Ans.

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[H] Draw and label diagram:

[59]

Draw a diagram of a vertical cross section of the soil showing all the layers in it.

[I] Picture study:

[59]



1. What do you see in the picture? What kind of weathering is this?

2. How does this occur?

