



CLASS: V

Subject: Social Studies

Date: 27/06/2020

Topic: Answer Keys for Worksheets 14, 15, 16 & 17

Worksheet: 14, Date: 22/06/2020

Write True/False *and* rewrite the correct one:

1. Ans:- False.

A solar eclipse occurs when the Moon passes between the Sun and the Earth.

2. Ans:- False.

Mani was able to see only a partial solar eclipse because his town fell in the path of the Moon's penumbra.

3. Ans:- True.

Choose the correct option:

1. Ans:-b) opaque 2. Ans:-a) an eclipse 3. Ans:-c) the entire Sun 4. Ans:- a) umbra

Answer the following:

1.Ans:-An eclipse is an event where one heavenly body casts a shadow on another heavenly body by blocking the Sun's light.

2.Ans:-See the diagram given in the worksheet and do it.

3.Ans:-Total Solar Eclipse:- 1.The Sun is fully blocked or covered by the Moon. 2.The area on Earth which falls within the Moon's umbra. 3. The Sun, the Moon and the Earth have to be in a perfectly straight line.

Partial Solar Eclipse:- 1.Only a part of the Sun is covered by the Moon. 2.The part of the Earth lying in the Moon's penumbra. 3.The Sun, the Moon and the Earth are not in a perfectly straight line.

Worksheet: 15, Date: 24/06/2020

Write True/False and rewrite the correct one :

1.Ans:- True.

2.Ans:- False.

We should never view a solar eclipse without wearing special glasses.

Answer the following:

1.Ans:-An event in which the Earth passes between the Moon and the Sun, casting its shadow over the Moon is called a lunar eclipse.

Diagram you get from the Sst book page no 77.

There are two types of lunar eclipse, they are a total solar eclipse and a partial solar eclipse.

2.Ans:- A total solar eclipse:- 1.The Sun, the Moon and the Earth have to be in a perfectly straight line. 2.A total solar eclipse can only be seen the area which falls within the Moon's umbra.

A total lunar eclipse:-1.The Moon, the Sun and the Earth are all in one straight line. 2.A total lunar eclipse causing the Moon to fall completely within the Earth's umbral shadow.

3.Ans:- 1.A solar eclipse must always be viewed in the presence of adults. 2.You must always be viewed only through special eclipse glasses , which filter out the harmful rays of the Sun.

Worksheet: 16, Date: 25/06/2020

Name the following:

1.Torrid Zone 2. Rainforest 3. Monsoon forest

Write True/False and rewrite the correct one:

1.Ans:- False

Different parts of the Earth receive the different amount of heat from the Sun.

2.Ans:- False

The Earth has three temperature zones – the Torrid Zone, the Temperate Zone and the Frigid Zone.

Answer the following:

1. Ans:- Different parts of the Earth's surface receive different amounts of heat because 1. The tilt in the Earth's axis and 2. The curved surface of the Earth.

2. Ans:- The Torrid Zone is the hottest temperature zone on the Earth.

Due to the tilted nature of the Earth's axis, the Sun passes directly overhead in this zone twice a year in its apparent journey from the Tropic of Cancer to the Tropic of Capricorn and back again.

3. Ans:- Torrid Zone:- between the Tropic of Cancer (23.5°N) to the Tropic of Capricorn (23.5°S)

Temperate Zone:- between the Tropic of Cancer (23.5°N) and the Arctic Circle (66.5°N) in the Northern Hemisphere.

Between the Tropic of Capricorn (23.5°S) and the Antarctic Circle (66.5°S) in the Southern Hemisphere.

Frigid Zone:- between the Arctic Circle (66.5°N) and the North Pole (90°N) in the Northern Hemisphere.

Between the Antarctic Circle (66.5°S) and the South Pole (90°S) in the Southern Hemisphere.

Diagram of the temperature zones of the Earth :- in page no 82.

Worksheet: 17, Date: 26/06/2020

Write True/False and rewrite the correct one:

1. Ans:- False.

The zone between the Tropic of Cancer and the Arctic Circle is the North Temperate Zone.

2. Ans:- False.

We can find grizzly bears in the Temperate Zone.

3. Ans:- False.

Rainforests are found in the Torrid Zone.

Give reasons for the following:

1. Ans:-The Temperate Zone is cooler than the Torrid Zone because the rays of the Sun do not fall directly here.

2. Ans:- Rainforests thrive in Torrid Zone because the forest fires that raged through large parts of the forest made the situation worse.

3. Ans:-Vegetation is scanty in the Fridge Zone because of extreme cold and remains permanently covered with snow.

4. Ans:- Ice does not melt in the Fridge Zone even though there is continuous daylight for six months at the poles because the Sun's rays are so weak that they are unable to melt the ice.

5. Ans:- Polar bears are facing the threat of extinction because increasing global temperatures causes glaciers and ice sheets to melt at an alarming rate.

