



Good Morning Students,

This lesson is of Class-V for the subject of Geography in which the exercises of Ch-10 "Solar and Lunar Eclipse" will be discussed, which are given on page number 65 and 66 of your text book titled "TimeTrek-5" and is being submitted to you on 25th July, 2022. All the students please keep your Geography books and notebooks ready as I am going to explain the answers of the given exercises.

Exercise - A "Fill in the blanks" :-

- 1) Umbra 2) new 3) annular 4) earth
- 5) three

Exercise - B "Match the following" :-

- 1) dark part of shadow
- 2) outer part of shadow
- 3) bright ring
- 4) solar eclipse
- 5) lunar eclipse

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Ques - C "Write true or false" :-

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- 1) True 2) True 3) True
4) False 5) False

D) Choose the correct answers :-

- 1) dark 2) outer 3) new
4) annular solar 5) full

Students, as we have discussed first four exercises, so now you may pause the lesson for three minutes and try to complete these exercises in your textbooks.

Let us now discuss the answers of exercise - E. So kindly pay attention.

Ques. 1. What are the umbra and penumbra?

Ans: - Umbra :- The umbra is the dark part of a shadow.

2) Penumbra :- The Penumbra is the outer part of a shadow, it is lighter than umbra.

Ques 2. What is a solar eclipse?

Ans:- A solar eclipse occurs when the sun, the moon and the earth form a straight line and the moon comes between the sun and the earth in such a manner that its shadow falls on the earth.

Ques 3. Define annular solar eclipse.

Ans:- An annular eclipse occurs when the moon does not fully cover the sun. The sun appears as a very bright ring or annulus.

Ques 4. What is a lunar eclipse? When does a lunar eclipse happen?

Ans:- When the earth comes in between the sun and the moon, it causes a lunar eclipse. Lunar eclipses only happen during full moon phase.

Ques 5. Define a penumbral lunar eclipse.

Ans:- A penumbral lunar eclipse happens when the moon's surface is obscured by the earth's penumbra.

That's all for today students,

Thank you.