

Note: The given content need not to be printed.

CHAPTER 16
THE EARTH AND THE SKY
P.NO.119-123

Learning Objectives:

- To give students an idea about rotation of Earth.
- To make them aware about the effects of rotation.
- To involve them in an activity where they will understand how days and nights are caused.
- To enhance the cognitive and critical thinking among them.



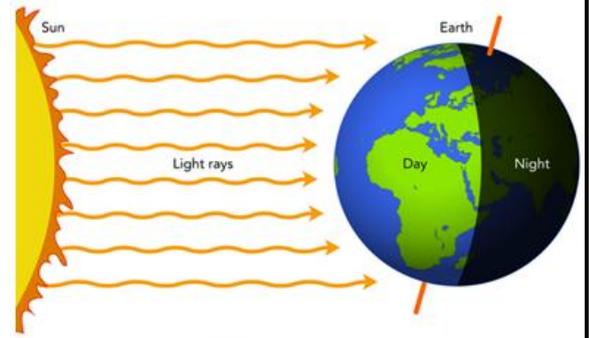
ROTATION

- The earth spins on its axis. This movement of earth on its own axis is called rotation.
- The earth rotates from west to east and completes its one rotation in approximately 24 hours.
- We don't feel earth spinning because everything including us is spinning along the earth at the same speed. It is the earth's rotation that causes day and night.



Why do we have day and night?

- Earth is always moving on its axis which allows sunlight to shine on different parts of the earth.
- The area of the earth facing the sun receives sunlight, experiences day and the area of the earth which does not receive sunlight, experiences night.
- At all time, half portion of the earth is lighted by the sun and half of the earth remains in darkness.

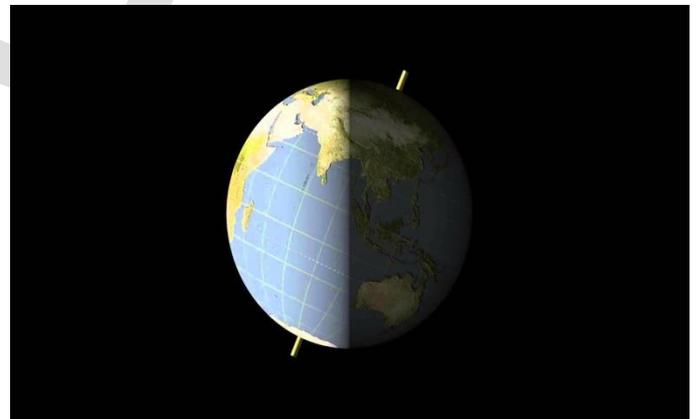
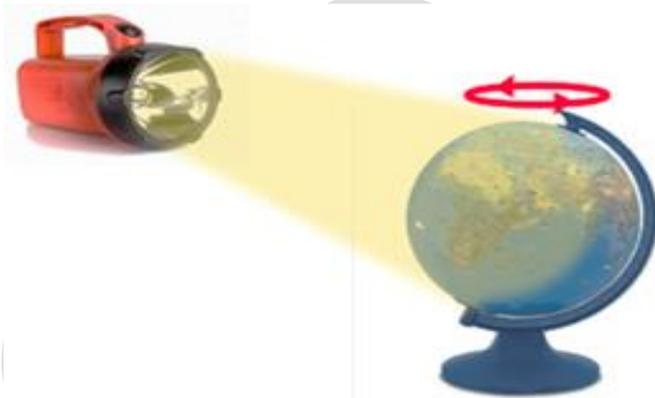


Let's understand this with an activity.

Take a globe and fix it on table. Now light a torch from front of the globe.

What do you observe?

We can see that half portion of the globe is lit by the torch represents day and the darker portion of the globe represents night.



NOTEBOOK WORK.

- All work is to be done on the EVS notebook.
- Fill in the index page properly.

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I Learn, I Answer

A. Answer these questions.

Q4. What is rotation?

Ans. The spinning movement of the earth on its axis is called rotation.