

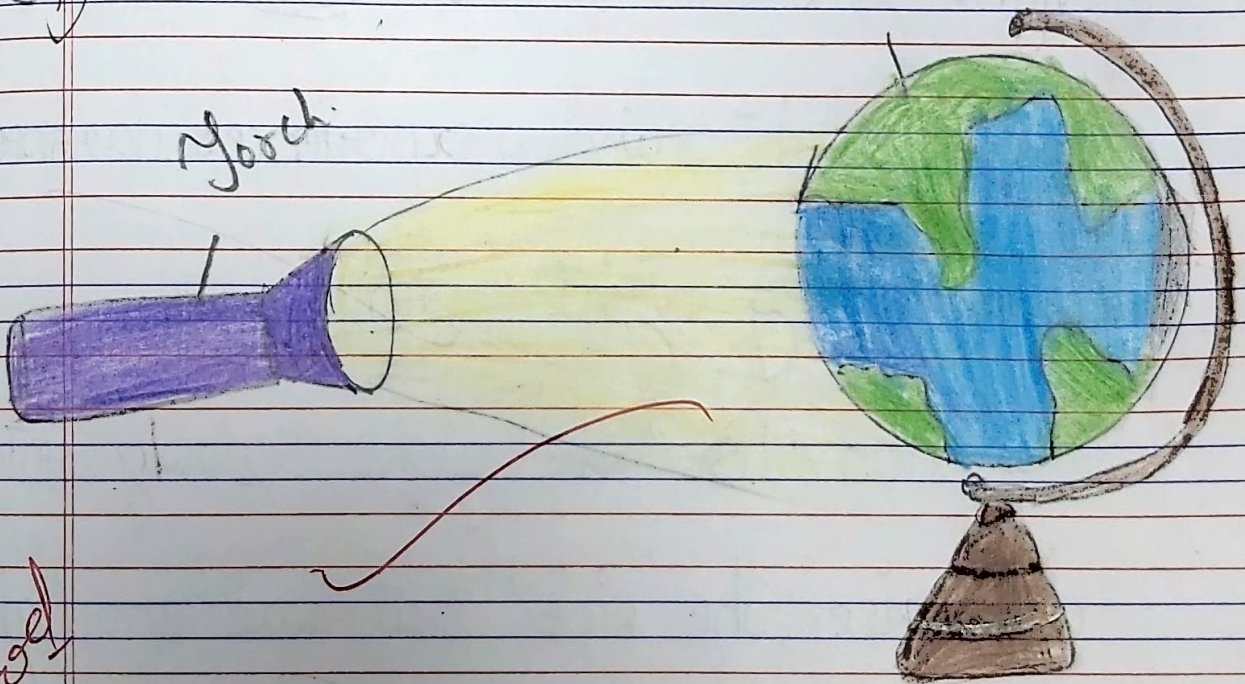
the hottest layer of earth which is like a solid ball of metals.

Q-4 With the help of an activity, describe how days and night are

formed

Ans-9)

Globe



good

fig

Ans-4 Model:- A torch represent the Sun, and a globe represents the Earth

• Daytime: The side of the globe facing the torch receives light, simulating daytime

Night time: The opposite ^{side} side does not receive light and experiences darkness, simulating night time.

Rotation:- As the globe slowly rotates clockwise, the side that was in light moves into darkness and the side that was in darkness moves into the light.

Q-5 How do revolution of the Earth and its tilted axis cause change in seasons?

Ans 5) When the Earth revolves around the sun, one half of the Earth tilts towards the sun while the other half tilts away from the sun. When a hemisphere tilts toward the sun, it gets more direct light and longer days that causes summer season, while tilting away brings less direct

light and shorter days that
causes winter season.

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