

## ANSWER KEY

### **CG.1: Natural and Socio-Cultural Environment**

1. b) Baya Weaver
2. c) Equator
3. Mahatma Gandhi made the Charkha a symbol of self-reliance. Its primary use was to spin cotton into yarn/thread.

#### 4. Classification:

- \* Battery inside a toy car: Stored Energy
- \* A ball rolling down a hill: Energy in Action
- \* Food inside our body: Stored Energy
- \* A stretched rubber band: Stored Energy

#### 5. Seasons Would Freeze in Place

Seasons change because the Earth's tilt faces different parts of the planet toward the Sun as it moves along its orbit. If the movement stops, the "tilt" becomes fixed relative to the Sun.

A) In your hometown: Whatever season you are experiencing the moment the Earth stops would become your permanent weather. If it's Summer, it stays Summer forever.

B) Northern vs. Southern Hemisphere The two hemispheres would be locked in opposite extremes based on how they were tilted when the Earth stopped:

\* The Northern Hemisphere: If it stopped while tilted toward the Sun, the North would experience a "Long Summer." The days would always be long, and the heat would eventually become intense and desert-like because there is no winter to cool the land down.

\* The Southern Hemisphere: At the same time, the South would be tilted away from the Sun, locked in a "Perpetual Winter." It would be dark, icy, and freezing forever because the sun's rays would never hit it directly again.

### **CG.2: Interdependence in the Environment**

6. b) Work and move
7. Light energy and Heat energy
8. b) Dolphin
9. Pongal, Baisakhi, Makar Sankranti, or Bihu
10. Solar energy (Solar panels) and renewable grid energy (or grid energy if specified as renewable)
11. It helps them decide when to sow seeds and when to harvest crops, as crops depend on specific weather patterns.

### **CG.3: Safety and Resource Conservation**

12. c) Solar Energy

13. Autumn

14. (c) Rotation of the Earth

15. c) Spinning

16. A bicycle uses human energy instead of fuel (petrol), which saves natural resources and produces no pollution, protecting the environment.

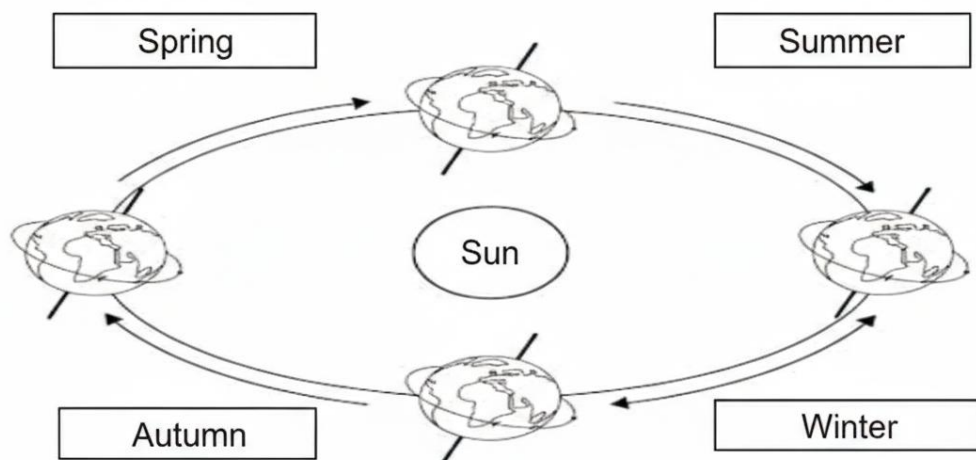
#### **CG.4: Social and Natural Sensitivity**

17. c) Paddy (Rice)

18. b) Rakesh Sharma

19.

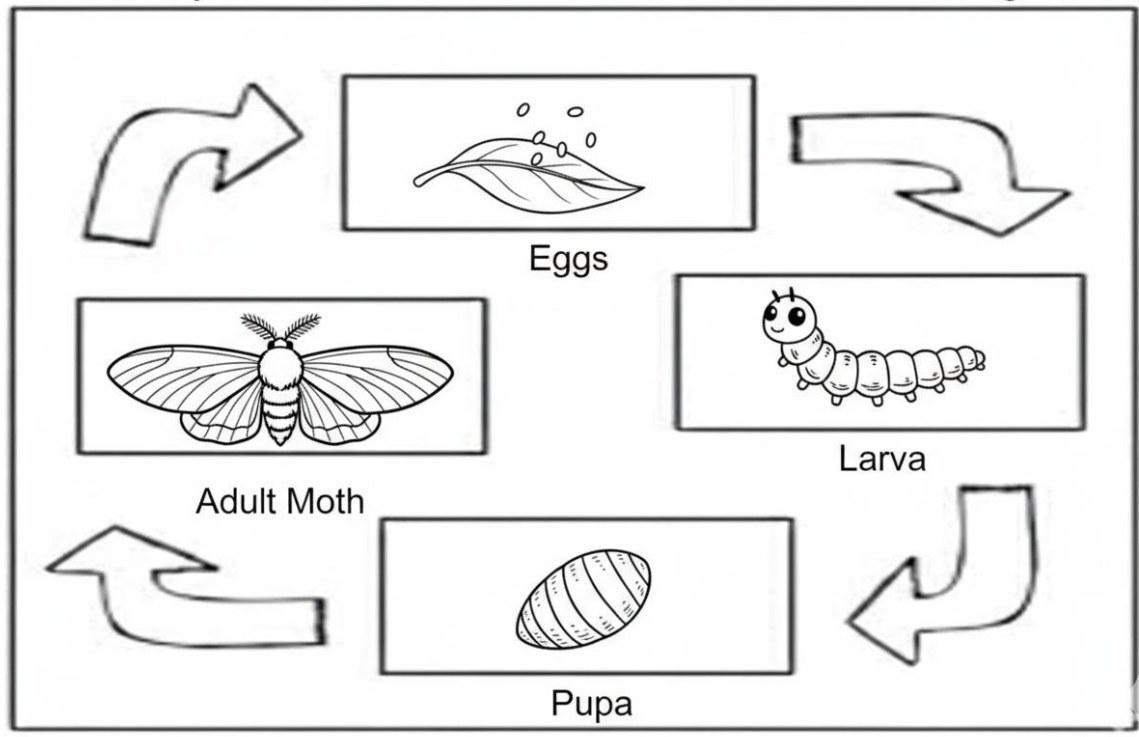
Label the seasons in the given diagram :



\* 20. They are called "rainforests of the sea" because of their huge biodiversity. They are important for fish as they provide shelter, food, and breeding grounds.

21.

Make life cycle of silk moth . Also mention the name of four stages of it .



PRIMARY FOOD - MULBERRY LEAVES

### CG.5: Reading and Interpreting Maps

22. c) Globe

23. c) Three sides

24. Map :

\* Lakshadweep Islands: This is the island group located in the Arabian Sea, off the southwestern coast of India.

\* Sikkim: Known as the "Brother of the Seven Sisters," it is the small state located in the Himalayas between Nepal and Bhutan.

\* Bay of Bengal: This is the large body of water located to the East of the Indian peninsula.

\* Western Ghats: This is the continuous mountain range running parallel to the Western coast of India.