

## CHAPTER-12 | Beyond Earth

### QUIZ PART-01

1. Why do stars shine?

- A. They reflect moonlight
- B. They reflect sunlight
- C. They produce their own light
- D. They are made of ice (C)

**Explanation :** A star shines because it is itself a source of light.

2. Stars are mainly huge balls of hot:

- A. Water
- B. Ice
- C. Gases
- D. Rocks (C)

**Explanation :** Stars are made of very hot gases, so they glow.

3. Why do stars look small to us?

- A. They are tiny
- B. They are very far away
- C. They have no light
- D. They hide behind clouds (B)

**Explanation :** Even very big stars look small because they are extremely far from Earth.

4. Groups of stars forming patterns are called:

- A. Satellites
- B. Orbits
- C. Constellations
- D. Planets (C)

**Explanation :** A constellation is just a pattern seen in a group of stars.

5. Star patterns often look like:

- A. Only circles
- B. Animals or objects
- C. Only numbers
- D. Clouds (B)

**Explanation :** People imagine shapes like animals or objects in star patterns.

6. Why are star patterns called imaginary?

- A. Stars are fake
- B. The lines joining them are not real
- C. They move every hour
- D. They are made by telescopes (B)

**Explanation :** The pattern is imagined by us; stars are not actually joined by lines.

7. Which is an example of a constellation?

- A. Earth
- B. Orion
- C. Moon
- D. Sunlight (B)

**Explanation :** Orion is a well-known pattern of stars in the sky.

8. In ancient times, constellations were used for:

- A. Cooking
- B. Navigation
- C. Farming only
- D. Mining (B)

**Explanation :** People used star patterns to find directions at night.

9. The sky is officially divided into how many constellations?

- A. 12
- B. 27
- C. 88
- D. 100 (C)

**Explanation :** The whole sky is divided into 88 recognized constellations.

10. Different cultures have different stories about constellations because:

- A. The stars change shape
- B. People imagine patterns in different ways
- C. Stars belong to countries
- D. The sky is different everywhere (B)

**Explanation :** Different people see the same stars and imagine different stories from them.