

STARS, PLANETS, AND EARTH

Knowledge Assessment Quiz

Instructions: Circle the correct answer for each question. Each question is worth 1 point.

★ Part 1: Stars & Planets

1. What is the main difference between stars and planets regarding light?

- A. Planets make their own light, stars reflect light
- B. Stars are light sources, planets reflect light
- C. Both stars and planets make their own light
- D. Neither stars nor planets make light

2. Why do stars appear to twinkle in the night sky?

- A. Because they are moving very fast
- B. Because they are turning on and off
- C. Because they are light sources shining their own light
- D. Because clouds are blocking them

3. What is the nearest star to Earth?

- A. The Moon
- B. Mars
- C. The North Star
- D. The Sun

4. How many planets are in our solar system?

- A. 5
- B. 8
- C. 9
- D. 10

5. Which of these planets CANNOT be seen with bare eyes?

- A. Venus
- B. Mars
- C. Jupiter
- D. Neptune

6. Why can't we see Uranus and Neptune without a telescope?

- A. They are too small
- B. They are too far away from Earth
- C. The Sun blocks them
- D. They do not reflect any light

7. How do planets appear bright in the night sky if they don't have their own light?

- A. They have batteries
- B. They are made of shiny metal
- C. They reflect the light of the Sun
- D. They burn like fire

8. Which statement about the Sun's size is correct?

- A. It is smaller than Earth
- B. It is the biggest star in the universe
- C. It is bigger than planets, but smaller than other stars

D. It is the same size as the Moon

Part 2: Earth's Characteristics

9. About what percentage of Earth's surface is covered by water?

A. 30%

B. 50%

C. 70%

D. 90%

10. What is the true shape of the Earth?

A. A perfect sphere

B. A flat disk

C. An oval

D. Not a perfect sphere; it bulges at the equator

11. What is a special fact about Earth's inner core temperature?

A. It is freezing cold

B. It is hotter than the Sun's surface

C. It is the same temperature as the ocean

D. It changes with the seasons

12. Earth is composed of four layers. What are they?

A. Top, Middle, Bottom, Center

B. Rock, Water, Air, Fire

C. Inner core, outer core, mantle, and crust

D. Surface, Underground, Deep earth, Core

13. How long does it take Earth to complete one orbit around the Sun?

- A. 24 hours
- B. 30 days
- C. Approximately 365.25 days
- D. 12 months exactly

14. What causes day and night on Earth?

- A. The Sun turning off at night
- B. Earth orbiting the Sun
- C. The Moon blocking the Sun
- D. Earth spinning (rotating) once every 24 hours

15. What is Earth's size ranking in the solar system?

- A. Largest planet
- B. Smallest planet
- C. Fifth largest planet
- D. Second largest planet

Part 3: Seasons & Earth's Tilt

16. What is the main cause of the four seasons on Earth?

- A. The distance from the Sun changes
- B. Earth's 23.4-degree axial tilt
- C. The speed of rotation changes
- D. The Moon's gravity

17. Which season is characterized by blooming plants and warmer weather?

- A. Winter
- B. Fall

C. Summer

D. Spring

18. Which season has the maximum sunshine and the longest days?

A. Summer

B. Spring

C. Autumn

D. Winter

19. Which season is marked by cooling temperatures and falling leaves?

A. Spring

B. Summer

C. Fall/Autumn

D. Winter

20. Which season is the coldest and has the shortest days?

A. Fall

B. Winter

C. Spring

D. Summer