

Mission: Earth

Name: _____ Date: _____

1. What type of celestial body is Earth?

2. Where is it, or which body does it orbit?

3. Copy an important time period and say what it measures.

4. Copy a temperature or a feature of its environment.

Type	Rocky planet
Diameter	12,742 km
Mass (Earth = 1)	1 Earth mass
Average distance	1 AU · 149.6 million km
Orbital period	365.256 days
Rotation	23 h 56 min
Temperature	≈ 15 °C on average
Main orbiting bodies	The Moon

5. Choose two figures from the table and explain their units.

6. Explain this comparison in your own words: Our reference for comparing other worlds.

Check and explain

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7. Which internal process renews parts of Earth's surface?

- A. Plate tectonics
- B. The rings
- C. The solar wind
- D. Nuclear fusion

8. What is its only natural satellite?

- A. Titan
- B. The Moon
- C. Europa
- D. Charon

9. What makes Earth unique among known worlds?

- A. It is the largest
- B. It supports known life
- C. It is the hottest
- D. It has no atmosphere

10. Which metal dominates its core?

- A. Aluminium
- B. Iron
- C. Copper
- D. Gold

11. Write two units from the table and the quantities they measure.

12. Why is an illustration not always drawn to scale?

13. Give one similarity and one difference compared with Earth.

Investigate like a scientist

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Text to analyse

Earth combines stable liquid water, a protective atmosphere and geological activity that have allowed life as we know it to develop. Here it is the reference for sizes, masses and distances. Earth is the only world known to support life and stable liquid water on its surface. This does not prove it is alone, but no extraterrestrial life has yet been confirmed.

14. Copy one observation or checkable fact from the text.

15. Write a scientific question you would like to investigate.

Writing mini-mission

Imagine a spacecraft studying Earth. Describe what it observes and what it aims to measure. Write 5 to 7 sentences using at least three scientific terms. Do not invent a solid surface on a gas giant or present a hypothesis as a fact.

Scientific terms used: _____