

Space quiz answers

- What is the name of the galaxy that Earth is located in? **The Milky Way**
- How many planets are in our solar system? **Eight**
- Which planet is closest to the Sun? **Mercury**
- What is the largest planet in our solar system? **Jupiter**
- Which planet is known as the “Red Planet”? **Mars**
- What is the name of Earth’s natural satellite? **The Moon**
- What is a black hole? **A region of space where gravity is so strong that not even light can escape.**
- What is the difference between a comet and an asteroid? **Comets are made of ice, dust, and rocky material, while asteroids are made mostly of metal and rock.**
- How long does it take for the Earth to orbit the Sun? **One year (365.25 days)**
- What is the name of the first human to walk on the Moon? **Neil Armstrong**
- What is the name of NASA’s most famous space telescope? **Hubble Space Telescope**
- How many moons does Jupiter have? **79 moons (as of current knowledge)**
- What is the Sun made of? **Mainly hydrogen and helium**
- What are the two main types of planets in our solar system? **Terrestrial planets and gas giants**
- What is the name of Saturn’s famous rings? **The Rings of Saturn**
- What is the Hubble Space Telescope used for? **Observing distant galaxies, stars, and other astronomical phenomena.**
- What causes a solar eclipse? **A solar eclipse occurs when the Moon passes between the Earth and the Sun, blocking sunlight.**
- What is a star? **A luminous ball of gas held together by gravity that generates light and heat through nuclear fusion.**
- How far is Earth from the Sun in miles? **Approximately 93 million miles (150 million kilometers)**
- What is the name of the first artificial satellite launched into space? **Sputnik 1**
- How long does it take for light from the Sun to reach Earth? **About 8 minutes and 20 seconds**
- What is the atmosphere of Venus made of? **Mainly carbon dioxide, with clouds of sulfuric acid**
- What is the Kuiper Belt? **A region of space beyond Neptune, filled with icy bodies and dwarf planets.**
- What is the term for when the Moon is completely dark in the sky? **New moon**
- What is the difference between a meteor, a meteoroid, and a meteorite? **A meteoroid is a small rock or particle in space; a meteor is the streak of light when it enters Earth’s atmosphere; a meteorite is a meteoroid that survives and lands on Earth.**

