

Astronomy Fact Challenge

Astronomy · Answer Key · 15 Questions

1. Which mission was the first to land humans on the Moon?

- A) Apollo 8
- B) Gemini 4
- C) Apollo 11**
- D) Skylab

2. What is the name of the largest moon of Saturn, known for its thick atmosphere?

- A) Europa
- B) Titan**
- C) Ganymede
- D) Io

3. The Hubble Space Telescope was launched into orbit in what year?

- A) 1985
- B) 1990**
- C) 1995
- D) 2000

4. What is the approximate distance, in kilometers, from the Earth to the Sun?

- A) 75 million
- B) 150 million**
- C) 225 million
- D) 300 million

5. The Great Red Spot is a persistent storm on which planet?

- A) Mars
- B) Saturn
- C) Jupiter**
- D) Neptune

6. Who was the first woman to travel to space, in 1963?

- A) Sally Ride
- B) Valentina Tereshkova**
- C) Mae Jemison
- D) Judith Resnik

7. What is the name of the star at the center of our solar system?

- A) Alpha Centauri
- B) Sirius
- C) Proxima Centauri

D) The Sun

8. The Kepler Space Telescope, launched in 2009, was primarily designed to discover what?

- A) Black holes

B) Exoplanets

- C) Nebulae
- D) Asteroids

9. Which astronomical object is located at the center of the Milky Way galaxy?

- A) A pulsar

B) A black hole (Sagittarius A*)

- C) A supergiant star
- D) A quasar

10. The first successful landing of a spacecraft on Mars was achieved by which Soviet mission in 1971?

- A) Venera 7
- B) Mariner 9

C) Mars 3

- D) Viking 1

11. What is the average orbital period of the Earth around the Sun, in days?

- A) 355

B) 365.25

- C) 370
- D) 380

12. The scientist who formulated the laws of planetary motion is:

- A) Nicolaus Copernicus
- B) Galileo Galilei

C) Johannes Kepler

- D) Isaac Newton

13. What is the name of the closest star system to our Solar System?

- A) Sirius
- B) Alpha Centauri**
- C) Barnard's Star
- D) Procyon

14. The Voyager 1 probe, launched in 1977, is currently the most distant human-made object. Approximately how far from Earth is it, in Astronomical Units (AU)?

- A) 50 AU
- B) 100 AU**
- C) 150 AU
- D) 200 AU

15. Which planet in our solar system has the shortest orbital period around the Sun?

- A) Venus
- B) Earth
- C) Mars
- D) Mercury**