

Cosmic Circus: Interstellar Facts

Circus Arts · Answer Key · 8 Questions

1. Which planet is often referred to as the 'ringed planet' due to its prominent, extensive system of rings, a spectacle akin to a grand celestial performance?

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

2. The largest known asteroid in our solar system, Ceres, is so massive that it is also classified as a dwarf planet. What is its approximate diameter, comparable to the scale of a large circus tent?

- A) 500 kilometers
- B) 940 kilometers**
- C) 1,200 kilometers
- D) 2,500 kilometers

3. Which celestial phenomenon, often appearing as a dazzling display in the polar regions, is caused by charged particles from the sun interacting with Earth's atmosphere, reminiscent of a vibrant light show?

- A) Meteor Shower
- B) Solar Flare
- C) Aurora Borealis**
- D) Lunar Eclipse

4. The surface temperature of Venus can reach extreme highs, making it hotter than Mercury. This intense heat is comparable to the hottest points of a circus fire-breathing act. What is the average surface temperature of Venus?

- A) 200°C
- B) 350°C
- C) 460°C**
- D) 600°C

5. The Great Red Spot on Jupiter is a persistent anticyclonic storm that has been observed for centuries. Its size is so immense that it could engulf multiple 'circus rings' in terms of area. Approximately how many Earths could fit across the Great Red Spot?

- A) 1
- B) 2
- C) 3**
- D) 5

6. Which moon in our solar system, known for its volcanic activity that spews sulfurous compounds, can be compared to a fiery, dynamic stage act?

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

7. The International Space Station (ISS) orbits Earth at an average altitude. This orbital path is a precise trajectory, much like a trapeze artist's flight. What is the approximate average altitude of the ISS above Earth's surface?

- A) 100 kilometers
- B) 250 kilometers
- C) 400 kilometers**
- D) 700 kilometers

8. The Milky Way galaxy, our cosmic home, contains billions of stars. If each star were a performer in a grand celestial circus, how many stars are estimated to be in the Milky Way?

- A) 100 million
- B) 1 billion
- C) 100 billion**
- D) 1 trillion