

Wonders of Astrophysics

Astrophysics · Practice Test · 8 Questions

1. Which element is the main fuel powering the nuclear fusion process inside our Sun?

- A) Hydrogen
- B) Iron
- C) Carbon
- D) Oxygen

2. What is the boundary around a black hole beyond which nothing, not even light, can escape?

- A) Photon Belt
- B) Event Horizon
- C) Accretion Disk
- D) Singularity Zone

3. What do astrophysicists call a rapidly rotating neutron star that emits beams of radiation from its poles?

- A) Quasar
- B) Supernova
- C) Pulsar
- D) Red Giant

4. In astrophysics, what does a light-year measure?

- A) Time
- B) Distance
- C) Brightness
- D) Mass

5. What shape or type of galaxy is our home galaxy, the Milky Way?

- A) Elliptical galaxy
- B) Barred spiral galaxy
- C) Irregular galaxy
- D) Lenticular galaxy

6. What thermal radiation left over from the early universe provides key evidence for the Big Bang theory?

- A) Solar Flare Radiation
- B) Cosmic Microwave Background
- C) Gamma-Ray Bursts
- D) Ultraviolet Glow

7. What is the huge, powerful explosion that occurs at the end of a massive star's life cycle called?

- A) Supernova
- B) Nebula
- C) Protostar
- D) Solar Eclipse

8. What giant cloud of gas and dust in space is known as a birthplace for new stars?

- A) Asteroid Field
- B) Black Hole
- C) Nebula
- D) Comet Tail