

## Stars and Galaxies Answer Key

1. The three types of galaxies are spiral, \_\_\_\_\_.
  - b. elliptical, and irregular
2. When a massive star explodes in a supernova, it can create \_\_\_\_\_.
  - a. a nebula
3. Stars are born in \_\_\_\_\_.
  - c. nebulae
4. Stars produce energy through \_\_\_\_\_.
  - a. nuclear fusion
5. Galaxies are usually about \_\_\_\_\_ light years across.
  - c. 1,000–1,000,000
6. The Milky Way is \_\_\_\_\_ light years across.
  - b. 100,000
7. The Milky Way contains about \_\_\_\_\_ stars.
  - c. 100 billion
8. A black hole is \_\_\_\_\_.
  - a. a massive star that used up its fuel and collapsed
9. Scientists estimate that the Big Bang occurred \_\_\_\_\_.
  - b. 15 billion years ago
10. It takes light from the Sun \_\_\_\_\_ to reach Earth.
  - c. 8 1/2 minutes