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