

Name _____ Date _____

Stars and Galaxies

Directions: Read each sentence. Then circle the letter next to the answer that completes the sentence.

1. The three types of galaxies are spiral, _____.
 - a. elliptical, and ovoid
 - b. elliptical, and irregular
 - c. irregular, and ovoid
2. When a massive star explodes in a supernova, it can create _____.
 - a. a nebula
 - b. a galaxy
 - c. planets
3. Stars are born in _____.
 - a. planetary systems
 - b. black holes
 - c. nebulae
4. Stars produce energy through _____.
 - a. nuclear fusion
 - b. nuclear fission
 - c. chemical oxidation
5. Galaxies are usually about _____ light years across.
 - a. 100–1,000
 - b. 1,000–100,000
 - c. 1,000–1,000,000
6. The Milky Way is _____ light years across.
 - a. 10,000
 - b. 100,000
 - c. 1,000,000

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Stars and Galaxies (continued)

7. The Milky Way contains about _____ stars.
 - a. 1 billion
 - b. 10 billion
 - c. 100 billion

8. A black hole is _____.
 - a. a massive star that used up its fuel and collapsed
 - b. a galaxy that got sucked into a nebula
 - c. a nebula that expanded and then collapsed

9. Scientists estimate that the Big Bang occurred _____.
 - a. 5 billion years ago
 - b. 15 billion years ago
 - c. 50 billion years ago

10. It takes light from the Sun _____ to reach Earth.
 - a. 90 seconds
 - b. 5 minutes
 - c. 8 1/2 minutes