

## Test: Objects in space

1. Which planet is 2<sup>nd</sup> closest to the sun?  
a. Earth    b. Mars    c. Jupiter    d. Uranus    e. Neptune    f. Mercury    g. Saturn    h. Venus
2. This is a “dirty snowball” made of dust and ice.  
a. Comet    b. meteorite    c. asteroid    d. meteor    e. planet
3. What is the source of the sun’s energy?  
a. Friction    b. Plate Tectonics    c. Fire    d. Nuclear Fusion
4. Which planet is the 2<sup>nd</sup> farthest from the sun?  
a. Earth    b. Mars    c. Jupiter    d. Uranus    e. Neptune    f. Mercury    g. Saturn    h. Venus
5. Stars may be any of the following colors except:  
a. Blue    b. White    c. Green    d. Yellow    e. Orange    f. Red
6. What is the name for millions or billions of stars held together by gravity?  
a. nebula    b. supernova    c. Solar System    d. Universe    e. Galaxy    f. constellation
7. Which planets have rings?  
a. Some inner planets    b. All inner planets    c. Some outer planets    d. All outer planets
8. Which of the following planets is probably the coldest?  
a. Earth    b. Mars    c. Jupiter    d. Venus
9. Which of the following is not something that is in our solar system?  
a. Comet    b. nebula    c. asteroid    d. sun    e. planet
10. This is a cloud of dust and “frozen gas” that may evolve into a solar system.  
a. comet    b. Galaxy    c. nebula    d. constellation
11. Which planets are mostly gas?  
a. Inner planets    b. Outer planets    c. neither
12. How many stars are in a binary system?  
a. 1    b. 2    c. 10    d. 1,000    e. 1,000,000    f. 1,000,000,000
13. What shape is the Milky Way galaxy?  
a. Irregular    b. Elliptical    c. Spiral
14. Which of the following is not a circumpolar constellation?  
a. The Little Dipper    b. The Big Dipper    c. Orion    d. Ursa Major
15. What is at the center of a black hole?  
a. nothing (blackness)    b. a huge star    c. a dense point of matter  
d. nothing but gravity    e. lost socks

16. If the tail of a comet points to the right, what does that mean?
  - a. The comet is moving to the right
  - b. The comet is moving to the left
  - c. The sun is to the right of the comet
  - d. The sun is to the left of the comet
17. Chunks of rocks floating in space outside the Earth's atmosphere:
  - a. Meteorites
  - b. Meteors
  - c. Asteroids
18. Chunks of rocks falling through the Earth's atmosphere:
  - a. Meteorites
  - b. Meteors
  - c. Asteroids
19. Chunks of rocks that fell from outer space and are now sitting on the Earth's surface:
  - a. Meteorites
  - b. Meteors
  - c. Asteroids

Written Response:

20. What is the name for the giant explosions that occur on the Sun?
21. What is the closest galaxy to us, other than the Milky Way?
22. Where is the *asteroid belt*? Describe its precise location.
23. If black holes are truly black, how can scientists "see" that they are there?
24. The Big Dipper is a circumpolar constellation. Explain what makes it circumpolar?