Astronomy Day Quiz

1. On which day(s) of the year does the Sun rise due east?
   a) March 21 and September 23
   b) June 21
   c) every day
   d) never

2. How does the Sun produce its energy?
   a) by reflecting light from other stars
   b) by chemically burning its fuels
   c) by fusing hydrogen into helium
   d) by explosive chemical reactions near its surface

3. If the Sun were the size of a quarter, and the rest of space sized accordingly, where would the nearest star be?
   a) about 3 feet away
   b) about 33 feet away
   c) about 3300 feet away
   d) more than 60 miles away

4. What is the brightest star in the night sky at any time?
   a) Venus
   b) Sirius
   c) Orion
   d) the North Star

5. About how many stars are in our Milky Way galaxy?
   a) 200 billion
   b) 200 thousand
   c) 2 million
   d) 2000

6. Which planet has a surface and atmosphere most like the Earth?
   a) Venus
   b) Jupiter
   c) Mercury
   d) Mars

7. What is the Earth's period of revolution around the Sun?
   a) 1 day
   b) 1 week
   c) 1 month
   d) 1 year

8. What is the Moon's period of revolution around the Earth?
   a) 1 day
   b) 1 week
   c) 1 month
   d) 1 year

9. Based on their average distance from the Sun, what is the order of the planets?
   a) Venus, Earth, Mars Mercury, Saturn, Jupiter, Neptune, Uranus, Pluto
   b) Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus, Neptune, Pluto
   c) Mercury, Venus, Mars, Earth, Jupiter, Saturn, Uranus, Neptune, Pluto
   d) Mercury, Venus Earth, Mars, Jupiter, Saturn, Uranus, Pluto, Neptune

10. Which best describes a comet?
    a) a rock burning up in the atmosphere
    b) a flaming ball of gas
    c) a large dirty snowball surrounded by a thin veil of gas and dust
    d) a star streaking across the sky

Answers: 1-a, 2-c, 3-d, 4-b, 5-a, 6-d, 7-d, 8-c, 9-b, 10-c