Sample Test Questions 2020

Revolution & Rotation

1. The scientific term for a planet’s trip around the sun is:
   a. Revolution
   b. Light Year
   c. Rotation
   d. Solstice

2. Name a planet that rotates in a retrograde motion: ___________________

Units of Time

3. It takes one day for the earth to spin once on its ____________.

4. How many days does it take for the earth to travel twice around the sun? __________

Seasons

5. The shortest day of the year is called:
   a. Vernal Equinox
   b. Temporal Anomaly
   c. Winter Solstice
   d. Autumnal Equinox

6. Summer in the northern hemisphere occurs when the earth is the closest to the sun in the earth’s elliptical orbit. (True or False)

Phases of the Moon

7. In what phase is the moon when we can see its entire face lit up? __________

8. Draw a picture of a waxing crescent moon:

   

Eclipses

9. You can see stars in the daytime when a ___________________________ occurs.

10. Why do annular eclipses occur?
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**Characteristics of Planets and Sun**

11. Which planet has the longest year? ______________

12. Which planet was discovered by perturbation of another planet’s orbit?
   a. Neptune
   b. Uranus
   c. Ceres
   d. Saturn

**Celestial Sphere**

13. The point directly above your head is always called:
   a. North Celestial Pole
   b. Panasonic
   c. Celestial Equator
   d. Zenith

14. The apparent path of the sun across our sky is called the ______________.

**Life Cycle of Stars**

15. The stages a star will go through, and how long it will spend in each stage, depend on:
   a. Its mass
   b. The amount of carbon produced
   c. Its temperature
   d. The amount of solar wind it produces

16. A pulsar is a special type of _____________________ that rotates and gives off radio waves.

**Galaxies and Nebulae**

1. What is the name of our galaxy?
   a. Andromeda
   b. Milky Way
   c. Local Group
   d. Messier 81

2. Which type of nebula glows red? _______________