

Name _____ Date _____ Hour _____

Got It!	Not Yet
27 - 20	19- 0

ASTRONOMY#2 - Planet Earth Study Guide

1. What is the official name for the shape of Planet Earth?

Planet Earth is a _____ (Ellipse, Circle, Sphere).

2-3. Earth spins on an imaginary line called an _____. This line runs through the center of the Earth and extends out from the _____ and _____ poles.

4. To what degree is Earth tilted on its rotational axis? _____ (0°, 11.5°, 23.5°)

5. Who hypothesized that the Earth was not flat when he observed the shadow cast on the Moon by the Earth? _____ (Aristotle, Copernicus, Sailors)

6. Earth's orbit is shaped like an _____ (Ellipse, Circle, Sphere).

Write the term **ROTATION** or **REVOLUTION** on the line that represents the characteristics of that term.

7. _____	One of these is completed in in a 24 hour period of time.
8. _____	Causes seasons in both the Northern and Southern Hemisphere.
9. _____	Earth's orbit around the sun.
10. _____	The spinning of Earth around its imaginary axis.
11. _____	Requires 365 days to complete.
12. _____	Creates our days and nights.

13-14. Is it Earth's rotation or revolution that changes our distance from the sun each year? _____ Explain.

15. Longer hours of daylight are present in the hemisphere that is tilted _____ (away from, towards) the sun.

16. The hemisphere that is tilted _____ (away from, towards) the sun will see it lower in the sky.

17. The hemisphere tilted _____ (away from, towards) the sun receives more direct rays creating warmer temperatures.

18-19 Complete the chart with the missing details.

Term	Definition	Time of the Year	Effect on the Length of the Day
	Days when the sun's direct rays reach their greatest distance North or South of the Equator.	In the Northern Hemisphere this occurs in the _____ & _____ seasons.	Days are...
	Days when the sun's most direct rays shine on the _____	In the Northern Hemisphere this occurs in the Spring & Fall seasons.	Days are ...

20. In the **Northern** Hemisphere, our **longest** day is _____

21. In the **Southern** Hemisphere, their **shortest** day is _____

22. What specific direction will a properly working compass point? _____

23. What is the difference between the rotational and the Magnetic North Pole?

24-25. Which North Pole would a compass point to? Explain why.

26. What does Earth's Magnetic Field do for us?

27. What do scientists feel are the two causes of Earth's Magnetic Field?