

Name \_\_\_\_\_ Date \_\_\_\_\_ Hour \_\_\_\_\_

Got It!	Not Yet
27 - 20	19- 0

## ASTRONOMY#2 - Planet Earth

### Study Guide ALTERNATE

- Planet Earth is a \_\_\_\_\_ (Ellipse, Circle, Sphere).
- The imaginary line extending from the rotational North Pole to the South pole is called Earth's \_\_\_\_\_.
- Earth's rotational axis is tilted at a \_\_\_\_\_ ( $0^\circ$ ,  $11.5^\circ$ ,  $23.5^\circ$ ) angle.
- 4-5. What were two observations that hypothesized that the Earth was something other than flat?
6. What is the shape of Earth's orbit? \_\_\_\_\_ (Ellipse, Circle, Sphere).

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

7. _____	Another name for Earth's orbit.
8. _____	Creates day and night time.
9. _____	It takes just under 24 hours to complete one of these.
10. _____	It takes 1 year for Earth to complete
11. _____	Causes seasons for both the Northern and Southern Hemispheres.
12. _____	The spinning of Earth on its imaginary axis.

13. In one year's orbit around the sun, Earth will complete one \_\_\_\_\_ and 365 \_\_\_\_\_.
14. The hemisphere that is tilted \_\_\_\_\_ (away from, towards) the sun will be in their winter season.
15. The sun will appear higher in the sky in the hemisphere that is tilted \_\_\_\_\_ (away from, towards) the sun.

16. The hemisphere tilted \_\_\_\_\_ (away from, towards) the sun receives fewer direct rays creating colder temperatures.

17-18 Complete the chart with the details on Equinoxes and Solstices.

Term	Definition	When Does it Occur?	Days are...
Equinox			
Solstice			

19-20. In the Northern Hemisphere, our **shortest** day is \_\_\_\_\_ and our longest day is \_\_\_\_\_.

21. We have our shortest day when the sun has reached its farthest distance \_\_\_\_\_ (North, South) of the equator.

22. A compass will always point to \_\_\_\_\_ (magnetic, rotational) \_\_\_\_\_ Pole.

23-24. How is Earth similar to a bar magnet? Different?

25. What does Earth's magnetic field protect against?

26-27. Earth's magnetic field is generated as a result of what two factors?