

**Vasquez High School -- Earth Science -- Quiz #3 -- Chapter 4 -- 50 points**

Write TRUE if the statement is true or write the word(s) that substitutes for the underlined word(s) that would make it true. Writing false only earns partial credit. Three points each.

- \_\_\_\_\_ 1) The apparent shift in the position of an object due to viewing it from different angles is called equinox.
- \_\_\_\_\_ 2) The winter solstice normally occurs in December and marks the day that has the least amount of sunlight in the northern hemisphere.
- \_\_\_\_\_ 3) One evidence for the revolution of the Earth is the Foucault pendulum.
- \_\_\_\_\_ 4) The thickness of the crust is almost the same at all locations on the Earth.
- \_\_\_\_\_ 5) The orbit of the Earth is not a perfect circle, but an ellipse.

Short Answer/Fill-in. Be neat, clear and complete in your answers. Read what you wrote. Three points.

- 6) One of the reasons the Earth bulges at its equator is because of how fast it rotates. The planet Jupiter rotates more rapidly than Earth. Predict the shape of Jupiter. Explain your reasoning.

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- 7) The Earth is tilted on its axis at an angle of \_\_\_\_\_. As a result of this tilt, the Earth experiences \_\_\_\_\_.

- 8) The diameter of the Earth is about \_\_\_\_\_. Its circumference is about \_\_\_\_\_.
- About \_\_\_\_\_ Earths would fit into the sun.

- 9) What is it that scientists theorize causes the magnetic field of the Earth? \_\_\_\_\_
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- 10) When it is autumn in Australia, what season is it in California? \_\_\_\_\_

For one point each, write A if it is rotating, B if it is revolving, C if both, and D if neither.

- \_\_\_\_\_ 11) Riding a pony on a merry-go-round.
- \_\_\_\_\_ 12) The Earth in its travels.
- \_\_\_\_\_ 13) Throwing a watermelon up into the air.
- \_\_\_\_\_ 14) Throwing a tight spiral when tossing a football.
- \_\_\_\_\_ 15) An ice skater in her final spin at the end of an Olympic routine.

16) Without doing the calculation, show how you would determine how many degrees each time zone on Earth would average.

17) To determine that we on Earth actually moved around the sun, astronomers fixed their telescopes on what?

Five points.

18) Draw the Earth as it travels around the sun, complete with its axis, and summer and winter seasons.

19) Draw a model of the Earth with the four main sections labelled in reasonable proportions.