

NAME_____

Proof of Earth's Shape

Directions: Watch the video “Proof of Earth’s Shape” under the Latitude and Longitude part of Mr. Orgonik’s website. Answer the questions below as you watch the video. Pause and rewind the video as needed to answer the questions.

1. What is a lunar eclipse?

2. Why was Aristotle able to use lunar eclipses as evidence that the Earth was a sphere?

3. Why did sailors’ observations support the inference that the Earth was a round sphere?

4. Why does the North Star (Polaris) give further evidence of a spherical Earth?

5. Finish the sentence: “The altitude of Polaris equals_____

6. The Earth is called an “Oblate Sphere.” What does that mean?

7. The Earth is flattened at the _____ and bulging (wider) at the _____

8. What motion of the Earth causes it to be an oblate sphere?_____