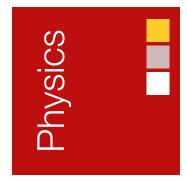
Name

**Date** 





# The Einstein Ring

## **Multiple Choice**

For each question, select the best answer from the four alternatives.

- 1. The first sentence of paragraph 1 expresses
  - a) a supporting detail
  - b) a main idea
  - c) a conclusion
  - d) a purpose
- 2. Which word would best replace the word "distort" in the second sentence of paragraph 1?
  - a) tear
  - b) crush
  - c) collapse
  - d) warp
- 3. Which alignment could form an image of a quasar visible from Earth using the process of gravitational lensing?
  - a) Earth, guasar, and massive galaxy all in a straight line
  - b) massive galaxy, Earth, and quasar all in a straight line
  - c) quasar, massive galaxy, and earth spaced equally apart on a circle
  - d) quasar, massive galaxy, and Earth all in a straight line
- 4. Which of the following is the best alternative title for this article?
  - a) "Einstein's Predictions"
  - b) "Gravitational Lenses"
  - c) "Quasars in a New Light"
  - d) "Hubble Shows an Amazing Universe"

#### **Short Answer**

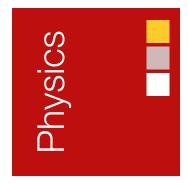
What evidence supports the existence of gravitational lensing? Use specific detail in your answer.

5.	

Name

Answer Key

Date





## The Einstein Ring

### **Multiple Choice**

For each question, select the best answer from the four alternatives.

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- 5. Scientists have photographed a massive galaxy cluster that has bent the light from

more distant galaxies into smeared-out arcs. Scientists have also observed several

Einstein rings, in which a perfect alignment of a symmetrical gravitational lens

and a distant galaxy causes light from the galaxy to bend into a complete circle.

#### **Short Answer**

What evidence supports the existence of gravitational lensing? Use specific detail in your answer.

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