

Name \_\_\_\_\_

## Light's Journey: Through Space and Beyond

### Short Answer

1. Explain how light travels through space, even though space is not completely empty.
2. Describe what happens to light when it passes through a raindrop and forms a rainbow.
3. Give an example of an everyday object that reflects light and explain why it does so.
4. Why does a straw appear bent when placed in a glass of water? What phenomenon is this an example of?
5. Name a material that is transparent and explain why it allows light to pass through without significant absorption or reflection.

