

Why does the pencil look broken?

CHAPTER 11

MiniLab

Procedure

1. Complete a lab safety form.
2. Add water to a clear beaker or glass until it is about three-fourths full.
3. Place a pencil in the water and observe.

Analysis

1. Explain why light rays refract when they move from water into air.

2. Construct a diagram in the space below similar to Figure 10 in your textbook to explain the pencil's appearance.

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