Name	Class	Date

Skills Worksheet

Directed Reading B

Section: Refraction (pp. 90–97) **REFRACTION AND MEDIA**



- 1. Refraction happens when
 - **a.** a medium's density does not change.
 - **b.** light follows the law of reflection.
 - **c.** the wave changes light energy into chemical energy.
 - **d.** the medium that it travels through changes.
- **2.** A substance through which a wave can travel is called a(n)

medium	

- **4.** Give an example of an optical illusion that can be caused by refraction.

Fish in an aquarium seem to be in two places at once when viewed from the edge angle.

- **5.** Light waves with ______ wavelengths bend more than light waves with _____ wavelengths.
- **6.** When white light separates into different colors during refraction and sunlight is refracted by water drops, a(n) __visible spectrum (rainbow) __forms.

LENSES AND REFRACTION OF LIGHT



- **7.** How does a lens form an image?
 - **a.** The lens reflects light.
 - **b.** The lens bends light.
 - **c.** The lens absorbs light.
 - **d.** The lens transmits light.

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Holt California Life Science

Light and Living Things