

Name: \_\_\_\_\_ Date: \_\_\_\_\_

## Light Energy Worksheet



### Thinking Questions

- What is energy?
- What are some types of energy we discussed?
- What is the largest source of energy in our solar system?

### Station 1: Bending Light

**Instructions:** Place the ruler (or pencil or Popsicle stick) straight up in the water and slowly lower it towards horizontal.

**Information:** Refraction is the bending of the path of light as it travels across the border of two transparent materials.

**Your Observations:**

1. The light traveled from \_\_\_\_\_ to \_\_\_\_\_.
2. In the space below, draw how you see the object in your bowl:

**Air**

\_\_\_\_\_ ◀ **Air / Water Boundary**

**Water**

2. Engineers must understand refraction when deciding the type of windows to put in a building. Where else have you seen refraction that uses air, water or glass?

---

---

---