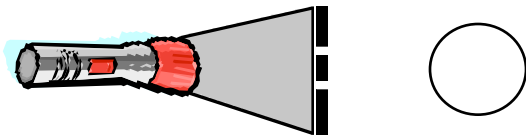


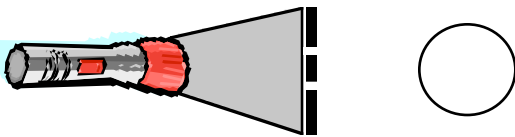
# Light and Liquids Experiment: Observing Light

**Empty cup**

Prediction:

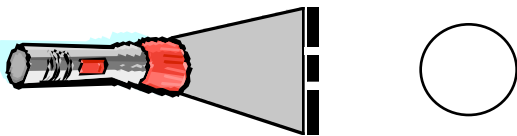


Observations:

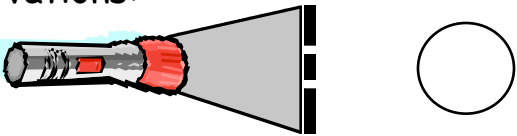


**Cup of water**

Prediction:

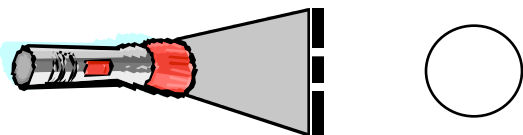


Observations:

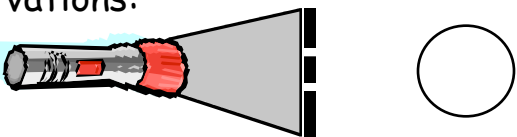


**Cup of milk**

Prediction:

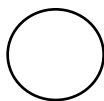
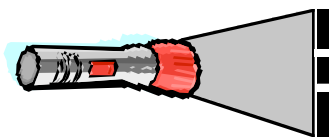


Observations:

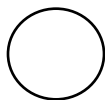
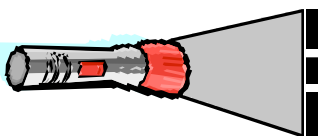


### Cup of 7-up or ginger ale

Prediction:

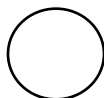
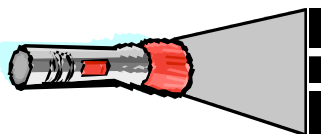


Observations:

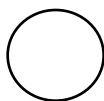
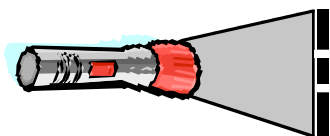


### Cup of oil

Prediction:

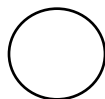
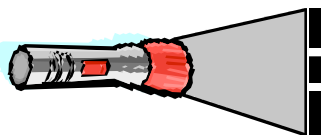


Observations:

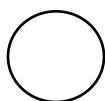
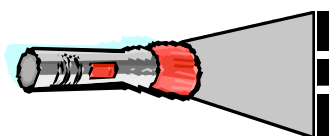


### Cup of Pepsi or Coke

Prediction:



Observations:



1. When the rays of light struck the empty cup, what did you observe?

---

---

2. When the rays of light struck the cup filled with water, what did you observe?

---

---

3. When the rays of light struck the cup filled with milk, what did you observe?

---

---

4. When the rays of light struck the cup filled with 7-Up or *Ginger Ale*, what did you observe?

---

---

5. When the rays of light struck the cup filled with oil, what did you observe?

---

---

6. When the rays of light struck the cup filled with Pepsi, what did you observe?

---

---

7. Using what you have learned from this experiment and previous experiments, describe what happens to light when it interacts with (or hits) an object or material (mirrors, liquids, clear plastic....).

---

---

---

---

---

---

---