Point of View

Procedure

1. **Observe** Work with a partner. Place a coin in the bottom of a cup. Position the cup on a table so that, as you look into the cup, you are just able to see the coin. Remain with your head in this position.

2. **Predict** Predict how the coin will appear to you when your partner pours water into the cup. Have your partner record your prediction below.

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3. **Experiment** Keeping your head still, have your partner fill the cup with water.

4. **Observe** Observe how the water changes your view of the coin. Record your observations below.

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5. **Collaborate** Empty the water from the cup and change places with your partner. Repeat the experiment so your partner can observe the coin. Compare your observations.
Conclusion

Write the answers to the questions below.

1. Analyze Data How did your view of the coin change when your partner poured water into the cup?

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2. Hypothesize Write a hypothesis to explain why your view of the coin changed when water was poured into the cup.

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Investigate More!

**Design an Experiment** Design an experiment to test how your view of the coin will change when you observe it through other liquids that light can pass through. Write a hypothesis to explain your observation.