

# 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.

