

# Fish School

## Procedure

1. Record your observations in the chart below.

Conditions	Results
No tapping, no food	
Tapping, no food	
Tapping, with food Day 1 Day 2 Day 3 Day 4 Day 5 Day 6 Day 7 Day 8 Day 9 Day 10	
Tapping, no food after 10 days	

2. **Observe** Observe how a goldfish in a fish tank moves. Write your observations in your chart.
3. **Experiment** Tap gently with a pencil 10 times on the wall at one end of the tank. Look for and record any changes in the behavior of the fish.
4. **Collaborate** Sprinkle fish food on the surface of the water at the same end of the tank where you tapped. At the same time, have another group member tap the fish tank 10 times, close to where you sprinkle the food. Record what you observe.

### Student Resources

- 5. Record Data** Repeat step 4 each day for 10 days. On the eleventh day, tap on the wall of the fish tank, but do *not* sprinkle any food. Record what you observe.

## Conclusion

Write the answers to the questions below.

- 1. Analyze Data** Compare your observations for steps 3 and 5. How did the behavior of the goldfish change?

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- 2. Hypothesize** In steps 3 and 5, you tapped on the tank and did not provide food. Why do you think the behavior of the fish changed between steps 3 and 5?

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## Investigate More!

**Research** Conduct a survey about behavior. Think of questions to ask your classmates. For example, you might ask how and when they learned to ride a bicycle. Present your results to the class.