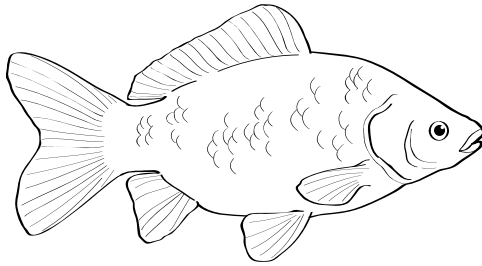


Testing Goldfish Respiration



Work with your group to design an experiment. The experiment should test how water temperature affects a goldfish's breathing rate. In the experiment, use *either* ice cubes to make the water colder *or* warm water to make the water warmer.

- 1 Write a question you can test.

- 2 Write a hypothesis. The hypothesis should tell how you think the temperature of the water will affect the fish's breathing.

On a separate sheet of paper, write your experiment design.

- Write the procedure you will use.
- Design a way to record your observations. You could use a chart.
- Do your experiment. For each trial, count how many times the fish breathed in 15 seconds. Multiply by 4 to find how many times it breathed in 1 minute.
- Analyze your results. Did the results answer your question?
- Write a lab report of your experiment.