

Student Name: \_\_\_\_\_ Date: \_\_\_\_\_ Period: \_\_\_\_\_

## Ant Behavior

**Question:** Does temperature affect ant behavior?

**Materials:**

- Stopwatch
- Thermometer

**My Hypothesis:** \_\_\_\_\_

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**Procedures:**

1. Locate an ant colony in your schoolyard. Be very careful not to disturb the ant colony.
2. Identify the ant species (or describe the characteristics of the species and record this information on the Ant Behavior Data Sheet.
3. Make observations of the ant colony. During each three-minute observation, record the number of ants leaving the colony. At the end of each observation, use the thermometer to determine the temperature. Record this value on the Ant Behavior Data Sheet.
4. Graph the data (number of ants leaving the colony and temperature) on the Ant Behavior Graph.

**Results:**

See your graph.

**Conclusion Question:**

- Does the temperature have any effect on the number of ants leaving the colony?

Ant Behavior Data Sheet

Location of ant colony: \_\_\_\_\_

Ant species: \_\_\_\_\_

Description of species: \_\_\_\_\_

Date	Time	Number of Ants Leaving Colony	Temperature (°C)

## Ant Behavior Graph

Number of Ants Leaving Colony



Temperature (°C)