Question: How do changes in air temperature affect ants' movements?

Hypothesis: Ants will move faster in an environment with cold air than in an environment with warm air.

Materials: ant habitat, refrigerator

Procedure:

- **1.** Observe how fast the ants in the ant habitat move at room temperature.
- 2. Put the ant habitat in the refrigerator for 10 minutes.
- **3.** Observe how fast the ants move after 10 minutes in the refrigerator.
- 4. Leave the ant habitat at room temperature for 10 minutes.
- **5.** Observe how fast the ants move after 10 minutes at room temperature again.

Results: At room temperature, the ants were lively and moved quickly. After I took them out of the refrigerator, the ants were slow and inactive. After another 10 minutes, the ants moved as quickly as before.

Analysis: I predicted that ants would move more quickly in an environment with cold air than in an environment with warm air. However, when I put them in the refrigerator, the ants moved more slowly. After 10 minutes at room temperature, they moved more quickly again.

My hypothesis was incorrect.

Conclusion: Ants' movements change according to the air temperature of their environment.



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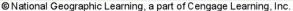
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tells what the experimenter learns from the experiment

lists what to do and look for during the experiment

shows
what the
experimenter
thinks about
the results

