



SCIENCE EXPERIMENT

OBSERVING ANT BEHAVIOR

⇒ IN A HOMEMADE ANT FARM ⇐

Name: _____

Date: _____

Experiment #: _____

QUESTION

How do ants behave as they explore their ant farm, find food, and interact with one another?

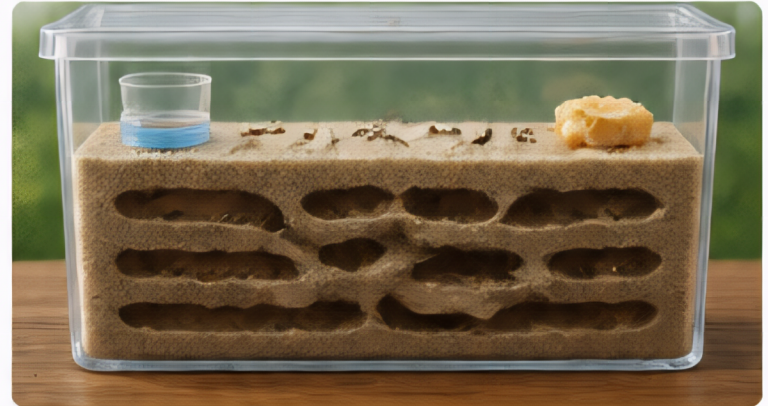
HYPOTHESIS

I think ants will _____

because _____.

MATERIALS

- Homemade ant farm (see setup guide)
- Live ants (from outdoors)
- Sugar water or honey water
- Small piece of fruit or bread (food source)
- Tweezers or spoon
- Spray bottle of water
- Magnifying glass (optional)
- Notebook and pencil
- Timer or clock



SETUP SUMMARY

1. Build your ant farm using a clear container and sand or soil. Moisten the sand and pack it down.
2. Create tunnels by pressing a stick or spoon in the sand, or let ants dig their own.
3. Add a small water source (like a bottle cap with water) and a food source on the surface.
4. Gently place 10–20 ants inside and close the lid.
5. Place the ant farm in a quiet spot and allow ants time to explore.

OBSERVATIONS

Watch the ants for at least 20–30 minutes. Record what you see.

TIME (_____)	WHAT ARE THE ANTS DOING? (Exploring, carrying food, digging, resting, etc.)	WHERE ARE THEY? (Near food, in tunnels, on surface, etc.)	NOTES / DRAWINGS (Sketch what you see)

THINGS TO LOOK FOR

- How do ants explore their environment?
- How do ants find and carry food?
- Do ants follow paths (trails)?
- How do ants interact with each other?
- What happens when you add more food or water?



CONCLUSION

What did you learn about ant behavior?

My hypothesis was (circle one): Correct Partly Correct Not Correct

One new question I have is _____



SAFETY & CARE

- Handle ants gently and observe respectfully.
- Do not remove more ants than you need.
- Keep the ant farm out of direct sunlight and extreme heat.
- Release ants back outside when you are done observing.