



Hiss-terical Observations: Investigating Cockroaches Like Scientists! Student Worksheet

List the observations your group made of the Madagascar Hissing Cockroaches. Identify if the observation is qualitative or quantitative.

Observation	Type of observation

What question will you try to answer?

Why is this question important?

Brainstorm at least 5 different experiments that you could conduct with the Hissers. Identify the strengths and weaknesses of each experiment - how well will the data you collect help you to answer your question?

Which experiment did you choose and why?

What will you need to build? What materials do you need?

Design the Experiment

Hypothesis:

Variables

Independent Variable:

Dependent Variable:

Controls

Constants:

What data will you collect?

Qualitative:

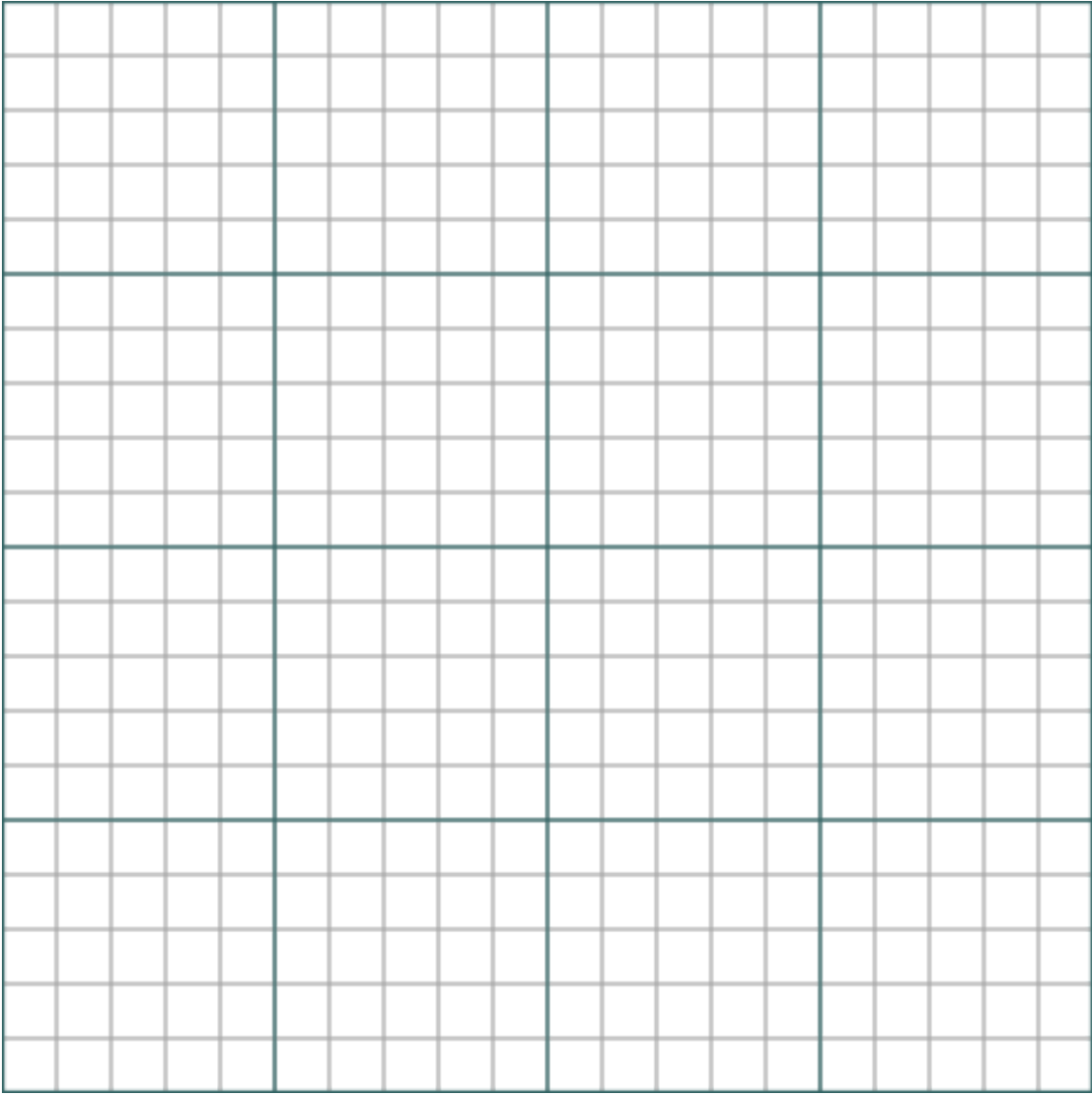
Quantitative:

Procedure

List a step by step procedure to follow.

Create your data table(s) here - remember you need both qualitative and quantitative data.

Graph it!
Graph your Qualitative data.



ANALYZE IT

Identify the trends you saw. Talk to the other groups. What did the other groups find out? Summarize!

CONCLUSION

Was your hypothesis proven? Explain.

What are the possible sources of error in this experiment?

If you could do this experiment again, what would you do and why?

