

Name _____ Date _____ Hour _____

Pill Bug Inquiry: Packet Two

34 points

Think about your observations from the Pill Bug Packet One. Brainstorm with your partner a list of possible pillbug behavior/environment scenarios you would like to investigate.

- 1.
- 2.
- 3.
- 4.

Select one scenario you would like to investigate and begin setting up your experiment.

Write down your scenario:

Scientific Inquiry Guide Sheet

Write down the scientific inquiry question that you want to answer regarding pill bugs:

Write down your hypothesis (If, ..., then ...)

Identify your Independent Variable: _____

Identify Dependent Variable: _____

Identify your Control: _____

Create a list of materials needed for your inquiry experiment:

Procedure:

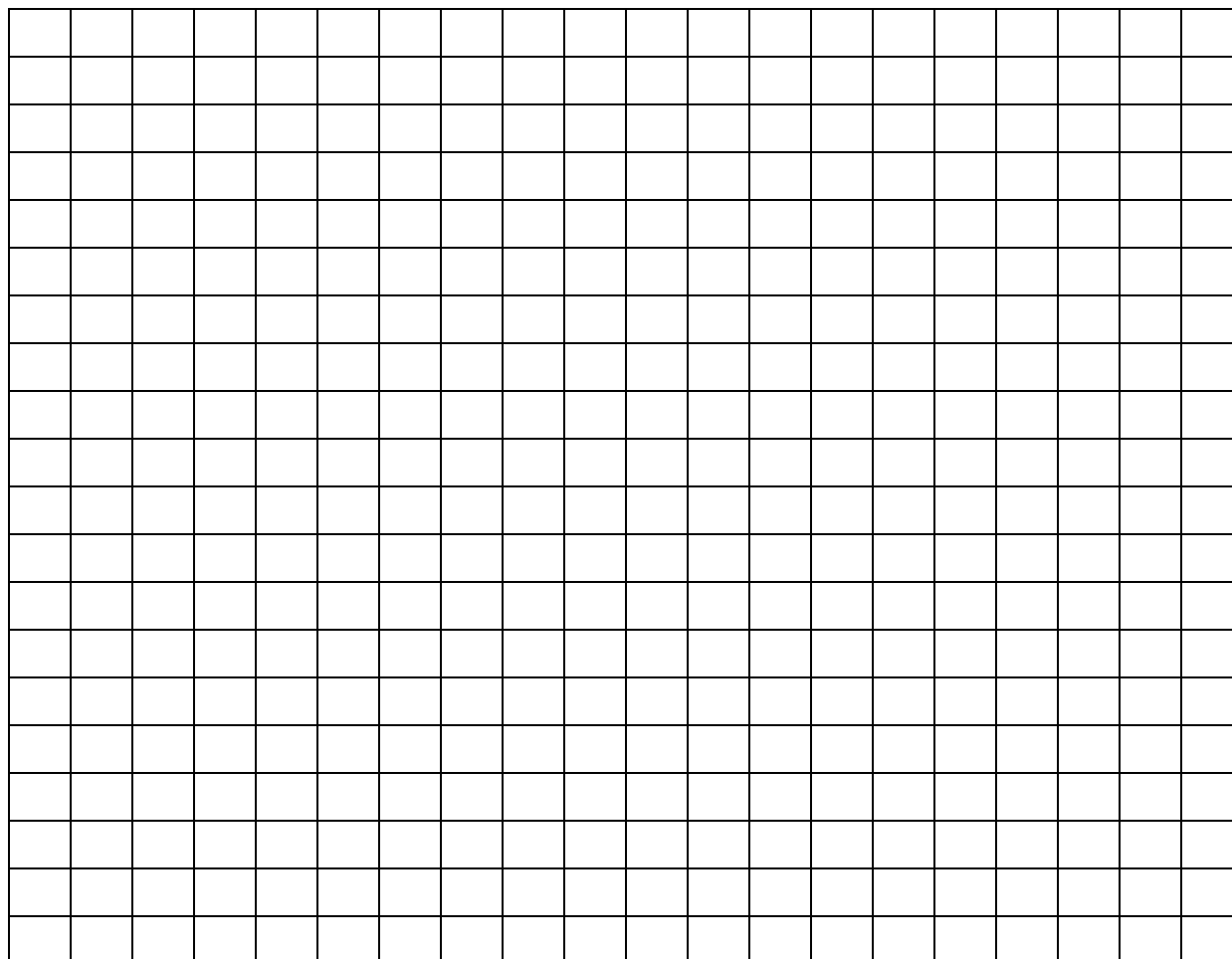
Write a detailed numbered, step-by-step procedure in the space below:

Data Collection:

Create a labeled data table to record any data that you collect from your experiment.

Results:

Graph your data from data table. Choose a bar graph or line graph. Be sure to include a title and axis labels.



Conclusion using Claim Evidence and Reasoning

Claim: Answer you initial scientific inquiry question using a complete sentence.

Evidence: Use 3 pieces of specific evidence that support your claim. Use complete sentences.

Reasoning: In one paragraph, explain why the evidence supports the claim. Be sure to include general scientific principles and/or background or prior knowledge.