



# Testing Guinea Pig Reaction: Student Worksheet

Describe the experiment you have chosen to test.

Hypothesis:

## Variables

**Independent Variable:**

**Dependent Variable:**

**Controls**

**Constants:**

## Data Collection

Without Variable	
Trial	Time to complete the maze
1	
2	
3	
<b>AVERAGE TIME</b>	

With Experimental Variable	
Trial	Time to complete the maze
1	
2	
3	
<b>AVERAGE TIME</b>	

Ask other groups to share their results for the variable they tested:

Without Variable	Average Time

Variable	Average time

**GRAPH IT**

Create a bar graph of the average times to complete the maze. Include all of the data collected from the different groups.

**ANALYZE IT**

Which of the variables affected the hamster the most? Include data to support your answer.

Why do you think this variable was the most effective?

**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?

Empty rectangular box for additional notes or observations.

