Who can more accurately taste the difference between Pepsi and Coke: Boys or Girls?

Name_____   Date _____   Period ____

Data Calculations:

Correct Guesses in _____ / Number of _____ = Percent Correct

Girls VS Boys:

Number of Girls:_____   Number of Correct Guesses in Girls: _____   Percent Correct : _____%

Number of Boys:_____   Number of Correct Guesses in Boys: _____   Percent Correct : _____%

Frequency of Drinking Soda:

Number of Daily:_____   Number of Correct Guesses in Daily: _____   Percent Correct : _____%

Number of Weekly:_____   Number of Correct Guesses in Weekly: _____   Percent Correct : _____%

Number of Monthly:_____   Number of Correct Guesses in Monthly: _____   Percent Correct : _____%

Number of Rarely:_____   Number of Correct Guesses in Rarely: _____   Percent Correct : _____%

Age:

Number of 12:_____   Number of Correct Guesses in 12: _____   Percent Correct : _____%

Number of 13:_____   Number of Correct Guesses in 13: _____   Percent Correct : _____%

Number of 14:_____   Number of Correct Guesses in 14: _____   Percent Correct : _____%

Ability to Roll Tongue:

Number of Yes:_____   Number of Correct Guesses in Yes: _____   Percent Correct : _____%

Number of No:_____   Number of Correct Guesses in No: _____   Percent Correct : _____%

Graph:

What type of graph should we use? Why?

_____

_____

What was the independent variable? _____

Which axis should the I.V. be on? _____

What was the dependent variable? _____

Which axis should the D.V. be on? _____

Who can more accurately taste the difference between Pepsi and Coke: Boys or Girls?

Name_____   Date _____   Period ____

Graph Checklist:

○ Title at top of graph

○ Clearly labeled X and Y axis

○ Evenly spaced X and Y axis labels

○ Neat and Colored

○ Name, date, and period in top right corner

Answer the following questions in complete sentences. Use SPECIFIC data from the experiment to support your answers. Unsupported answers or incomplete sentences will not receive credit.

1. How did gender affect the ability to identify Pepsi and Coke? Explain your answer with data.
   _____
   _____
   _____

2. How did age affect the ability to identify Pepsi and Coke? Explain your answer with data.
   _____
   _____
   _____

3. How did the frequency of drinking soda affect the ability to identify Pepsi and Coke? Explain your answer with data.
   _____
   _____
   _____

4. How did the ability to roll your tongue affect the ability to identify Pepsi and Coke? Explain your answer with data.
   _____
   _____
   _____

5. Do you think these results are accurate? Why or why not?
   _____
   _____
   _____

6. How could we have improved this experiment? Give at least two ideas and how they would help.
   _____
   _____
   _____

Complete the back of the Experimental Design Graphic Organizer.

Staple the Experimental Design Graphic Organizer, Graph, and this sheet together (in that order).