Here’s Looking at You!

Procedure

1. Collaborate  Work in a small group. Record your observations in the chart below.

   \[ \begin{array}{c|c}
   \text{Parent 1} & \\
   \hline
   & \\
   \hline
   \text{Parent 2} & \\
   \hline
   \end{array} \]

2. Observe  Using the Inherited Traits key, identify which members of your group have the traits illustrated on the key.

3. Communicate  Share your results with the other small groups.

4. Record Data  In your chart, record the number of students in the class who do or do not have the traits listed.
Conclusion

Write the answers to the questions below.

1. Analyze Data  For each pair of traits, which of the two appears more often among the members of your class? On a separate sheet of paper, create a bar graph to organize your data.

________________________________________________________________________

2. Infer  Pick two or three of the inherited traits that you observed in your group. What can you infer about the way these traits appear in the general population?

________________________________________________________________________

________________________________________________________________________

3. Hypothesize  Explain why two parents who both have loose earlobes could have a child with attached earlobes.

________________________________________________________________________

________________________________________________________________________

Investigate More!

Design an Experiment  Repeat this investigation for other members of your family. How do the results differ from those observed in class? Develop a hypothesis to explain the differences.