

Name _____

Date _____

Tootsie Pop Inquiry Lab

Topic: Scientific Method

Question: How many licks does it take to get to the center of a Tootsie Pop?

Research: Make a list of all the things you KNOW about Tootsie Roll Pops, licking suckers, tongues, saliva, candy in general, etc.

Hypothesis: I think it will take _____ licks to get to the center of a Tootsie Roll Pop. Why?

Materials: (Be sure to include EVERYTHING!)

Procedure: (Make sure the steps are in order and don't leave ANYTHING out!)

Experiment/Observations: (Make sure you write down only what you can SEE or MEASURE!)

Analysis/Conclusions: It takes _____ licks to get to the center of a Tootsie Roll Pop.

Calculate your group average. Show all calculations. Group average = _____

How close was your result to your group average? Show your calculations. _____

Why might different people get different results?

What did you learn about the scientific method from this experiment?

What other experiments could you conduct using Tootsie Pops?