Bubble Gum

Batman wanted to know if the type of gum could effect the size of the bubble blown. He thought if he chewed big red gum then he would have the ability to blow the largest bubble. Batman picked out 3 types of gum: big red, juicy fruit and orbit. He had a string to measure the circumference of the bubble in centimeters. He came up with an experiment that would have him chew the gum for one minute then blow a bubble. He would get a new piece of gum for every trial and record the data in the table below.

Trials	Big Red	Juicy Fruit	Orbit
1	10.2	7.8	7.9
2	9.3	9.9	7.7
3	9.8	8.6	8.3
4	8.6	8.2	7.6

1. What is the Purpose of this experiment?

2. What was the hypothesis?

3. What was the manipulated variable?

4. What was the responding variable?

5. What was the control group?

6. What are the averages all three of the gum types?

    Big Red_____   Juicy Fruit _____   Orbit_____

7. What conclusion can you draw from the data in this lab?

8. What could you have done differently in this lab from Batman?

9. What is a scientific tool that you would need to do this experiment?

10. Explain your choice to question 9?