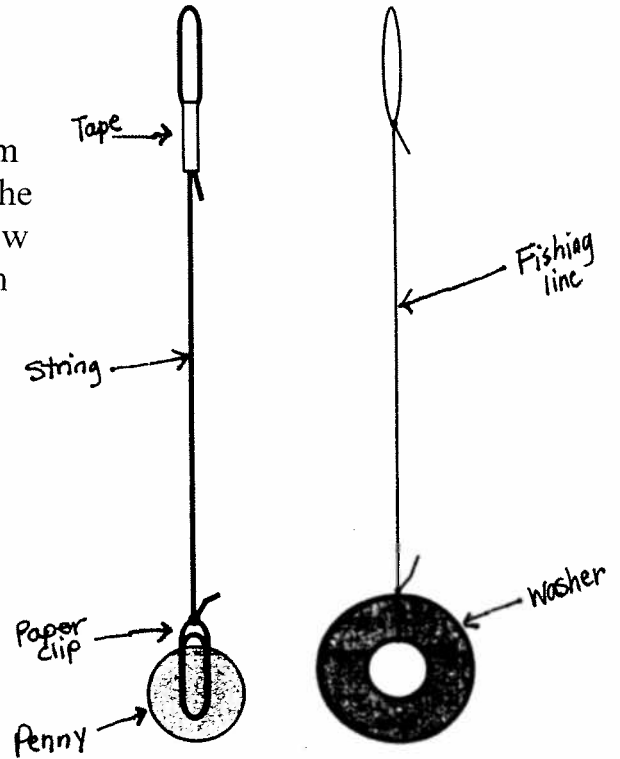


RESPONSE SHEET – SWINGERS (Pendulums)

A student wanted to know what would happen in the swinger experiment if he changed the way he made the pendulum. Instead of using string he used fishing line to make his pendulum the standard 38 cm long. He used a washer at the end for the pendulum bob. Then he counted how many times his pendulum swung back and forth (one cycle/swing) in 15 seconds.

(Look at the picture for clues as well.)



1. How many variables should be changed at one time in an experiment? _____

2. How many variables did this student change? List at least **four** of them. _____

3. What are at least **three** things that this student controlled (kept the same) in this experiment?

4. Do you think this student has done a good job of controlling the variables? Why or why not?
