

pendulum (10)

—a mass hanging from a fixed point that is free to swing to and fro (back and forth)

cycle (swing count) (11)

—a motion that repeats itself

variable (12)

—anything that you can change in an experiment that might affect the outcome

standard (13)

—the basic procedure used in a controlled experiment, before changing any of the variables

experiment (14)

—an investigation designed to find out how variables affect outcomes

controlled variable (15)

—a variable that is **not** allowed to change in an experiment

controlled experiment (16)

—one, and only one, variable is changed in order to evaluate its effect on the standard

independent variable (17)

--the variable in an experiment that is changed on purpose in the beginning

dependent variable (18)

--is what you observe or measure in order to see if the independent variable had an effect on the experiment