

## Controlled Experiments



There are 2 groups in an experiment, the control group and the experimental group. Define each group in your own words:

**Control Group:**

(example – kids without Mountain Dew)

**Experimental Group:**

(example – kids WITH Mountain Dew)



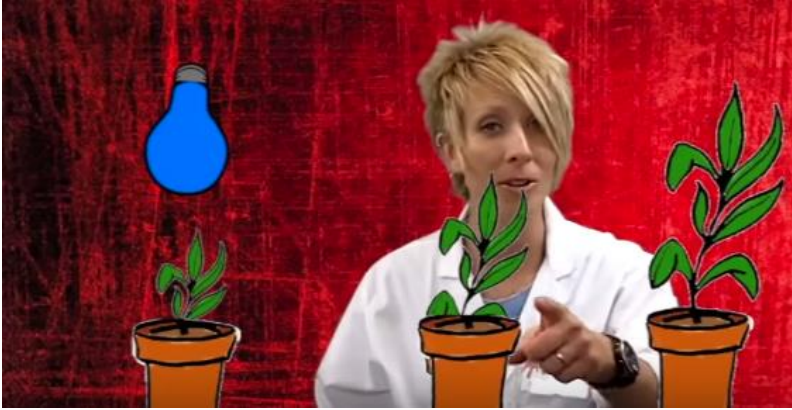
She defines variables in an experiment. Now, you define in your own words:

**Independent Variable:**

(example – temperature of ball)

**Dependent Variable:**

(example – height of the ball bouncing)



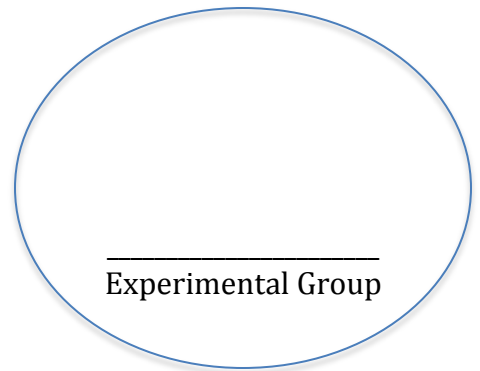
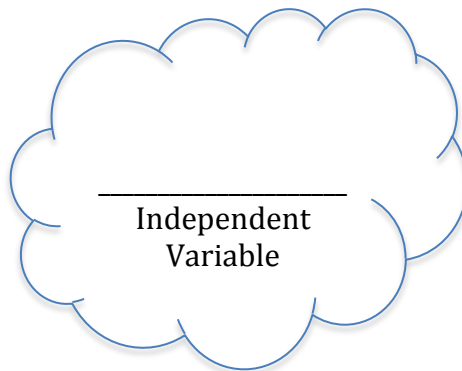
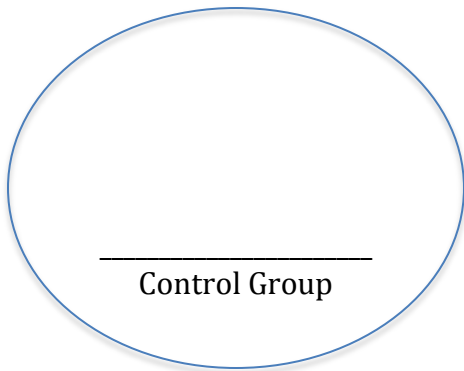
The constants in an experiment are discussed.  
Define constants in your own words:

**Constants:**

(example – amount of water)

**DESIGN YOUR OWN:**

If I wanted to experiment with Plants to see if one would grow taller with fertilizer, identify all of the parts of the experiment:



Dependent Variable (measuring) : \_\_\_\_\_

Constants:

1) \_\_\_\_\_

2) \_\_\_\_\_

3) \_\_\_\_\_