Independent and Dependent Variables

Directions:

* Choose 2 colors of marker. Determine which color you will use to represent independent variable and which color you will use to represent dependent variables. Put your color choices below:
  + Independent Variable =
  + Dependent Variable=
* Read each situation below. Underline or circle the independent and dependent variables using the colors you have chosen.

1. How does the type of plant fertilizer affect the amount a plant will grow?
2. How does the type of ball affect the number of times a ball will bounce?
3. Will a ball roll faster depending on the surface of the floor?
4. How does the shape of a wooden block affect the time it will sink in a bucket of water?
5. Will a person get more sleep depending on the level of light in a room?
6. Will a car travel faster based on its size?
7. Does the temperature of a room affect how fast a plant will grow?
8. Is more heat absorbed in a certain color shirt?
9. Will the size of a rock determine how long it takes to be broken into sediment (little tiny pieces of rock)?
10. Will a boat with a certain shape of sail move faster in the water?

Now write one of your own examples, color coding the variables in it as well!