

Variables and Constants—Guided Notes

Name _____ Period _____

Variable—

- Factors in an experiment
- Likely to change, or vary.

Control—

- The test group that you do not add the independent variable to.
- The “**normal**” group.

Independent—

- The variable to scientist changes, or adds to the experiment.
- The variable being **tested**.
- The “**I-control**” variable.

Dependent—

- The variable that may change because of what the scientist changes.
- The variable being **measured**.

Constants—

- something the scientist makes sure is the same throughout the entire experiment.
- Every experiment contains multiple constants.

Practice: Identify the different variables in the following hypotheses.

1. If you increase the amount of milk you drink, then you will increase the strength of your bones.
Independent variable: _____
Dependent variable: _____
2. If you increase the number of hours you spend in practice, then you will increase the number of free throw shots you will make.
Independent variable: _____
Dependent variable: _____
3. The higher the temperature of the water, the faster an egg will cook.
Independent variable: _____
Dependent variable: _____
4. The more sun the plant receives, the taller the plant will grow.
Independent variable: _____
Dependent variable: _____