

Name: \_\_\_\_\_ Date: \_\_\_\_\_

### Identifying Dependent and Independent Variables

Remember –

The independent variable is what is controlled in the experiment.

The dependent variable is what is measured in the experiment.

Identify the dependent and independent variables in the following cases.

1. Plants that get regular watering grow taller.

Independent variable: \_\_\_\_\_

Dependent variable: \_\_\_\_\_

2. At-risk children who attend Head Start get better grades in reading in second grade.

Independent variable: \_\_\_\_\_

Dependent variable: \_\_\_\_\_

3. People who smoke cigarettes have a higher incidence of lung cancer.

Independent variable: \_\_\_\_\_

Dependent variable: \_\_\_\_\_

4. Puppies that are given vitamins gain more weight.

Independent variable: \_\_\_\_\_

Dependent variable: \_\_\_\_\_

5. Hot water dissolves more sugar than cold water.

Independent variable: \_\_\_\_\_

Dependent variable: \_\_\_\_\_