

Name \_\_\_\_\_

Hr \_\_\_\_\_

Date \_\_\_\_\_

## SCIENTIFIC METHOD ACTIVITY

Complete the chart for each of the ten situations below.

Remember:

The **Independent Variable** is the thing that is changed on purpose in the experiment, the thing you're testing.

The **Dependent Variable** is the response, the result, what happens, what you record in your data table.

The **Constants** are the things that you keep the same in both the experimental and the control groups. (Everything but the IV)

The **Control** group is used for comparison, it is the group without the independent variable, it is the most normal situation.

1. What effect does light have on mold growth?

Independent Variable	Dependent Variable	Constants	Control

2. Does fertilizer affect the growth of grass?

Independent Variable	Dependent Variable	Constants	Control

3. What effect does paper weight have on the time in the air?

Independent Variable	Dependent Variable	Constants	Control

4. Do different colors absorb different amounts of sunlight?

Independent Variable	Dependent Variable	Constants	Control

5. How do different colors of light affect the growth of plants?

Independent Variable	Dependent Variable	Constants	Control

6. Which liquid has the most bacteria?

Independent Variable	Dependent Variable	Constants	Control

7. Does chlorinated water affect the amount of rust produced?

Independent Variable	Dependent Variable	Constants	Control