



Name: _____

Date: _____

Variables Worksheets

For each experiment, write down the independent variable (IV), dependent variable (DV), and control.
For some, identify the constants as well.

1. Shania wanted to see if eating apples would help her do better on her classwork. The first day, she didn't eat any apples. On day 2, she ate one apple; on day 3, she ate 2 apples; and on day 4, she ate 3 apples. Each day, she recorded the grades she got on her science work.
 - a. Independent Variable (IV): _____
 - b. Dependent Variable (DV): _____
 - c. Control: _____

2. Raekwon wanted to see if listening to music would make the basketball players make more baskets. On day one, he didn't play any music and counted how many baskets they could make in 10 minutes. On day 2, he played rap music and counted the baskets, and on day 3, he played classical music and counted the baskets.
 - a. Independent Variable (IV): _____
 - b. Dependent Variable (DV): _____
 - c. Control: _____

3. Becky wanted to figure out what type of liquid worked best for growing beans. She watered one with coca-cola, one with lemonade, and one with just water. After one week, she measured how high they had grown.
 - a. Independent Variable (IV): _____
 - b. Dependent Variable (DV): _____
 - c. Control: _____

4. Jason wanted to find out what fertilizer worked best for growing marigolds. He put Miracle Grow on one, Scotts fertilizer on one, and no fertilizer on another.
 - a. Independent Variable (IV): _____
 - b. Dependent Variable (DV): _____
 - c. Control: _____