

Variable Practice

I Change

I Measure

What stays the same

Directions:

Identify the independent, dependent, and control variables in the following experiments.

1. If you increase the number of cigarettes you smoke, then you will increase your risk for lung cancer.

a. Independent : _____

b. Dependent: _____

2. If you increase the amount of blood in the water, then you will increase the number of sharks in the area.

a. Independent : _____

b. Dependent: _____

3. If you increase the amount of milk you drink, then you will increase the strength of your bones.

a. Independent: _____

b. Dependent: _____

4. If you increase the number of hours you spend in practice, then you will increase the number of free throw shots you will make.

a. Independent: _____

b. Dependent: _____

5. Mario studied how far room temperature water would spurt out of a plastic milk carton when 3mm holes were punched at different heights from the bottom of the container.

a. Independent _____

b. Dependent _____

c. Control _____

6. Nick wanted to see how high an ice cube would float in different temperatures of water.
- a. Independent _____
 - b. Dependent _____
 - c. Control _____
7. Ms. Seaman wanted to see how different types of music affected students' pulse rates. She played different types of music: heavy metal, rap, R&B, alternative, pop, country, and classical music.
- a. Independent _____
 - b. Dependent _____
 - c. Control _____
8. Justin usually blows his nose using Kleenex tissues. His snot keeps leaking through the tissue. He decided he is going to create an experiment to find out what tissue is the best.
- a. Independent _____
 - b. Dependent _____
 - c. Control _____
9. Bob was investing how fast it took Hayden to react to different sounds.
- a. Independent _____
 - b. Dependent _____
 - c. Control _____
10. If you increase the temperature of water, the faster the sugar cube will dissolve.
- a. Independent _____
 - b. Dependent _____
 - c. Control _____