

A controlled experiment has

A control group is

A treatment group is

Assigning subjects randomly

A placebo is

An independent variable is changed

The dependent variable is



Linda brought a new pet gerbil home and noticed that Tiny, the gerbil, wasn't eating enough of its Chewy Gerbil Chow. Linda decided to give the gerbil a different vegetable each day and record the results of how much Tiny ate daily. After 10 days, Linda concluded that Tiny likes carrots best.

Which is an example of the dependent variable?

- a. type of vegetable
- b. how much Tiny ate
- c. price of carrots
- d. Tiny

A study was done to test the effects of coffee on sleep. The hypothesis of the experiment was that people who drank coffee when they woke up would stay awake longer. One group was given coffee. One group was not given coffee. The time that subjects stayed awake was timed.

Which of the following is an example of experimental group?

- a. subjects without coffee
- b. time awake
- c. subjects with coffee
- d. drank coffee or not

A new chemical is being researched for its ability to improve fruit production in trees. Some trees are given water only and other trees are given water with the chemical added. After a season of growing, the fruit production is recorded for both groups.

Which is an example of the treatment group?

- a. trees that were given water
- b. the chemical
- c. trees that were given the chemical
- d. the water

Johnny brought a new pet monkey home and noticed that Spot, the monkey, wasn't eating enough of its Chewy Monkey Chow. Johnny decided to give the monkey a different vegetable each day and record the results of how much Spot ate daily. After 10 days, Johnny concluded that Spot likes potatoes best.

Which is an example of the independent variable?

- a. price of potatoes
- b. how much Spot ate
- c. Spot
- d. type of vegetable

Veronica brought a new pet monkey home and noticed that Tiny, the monkey, wasn't eating enough of its Chewy Monkey Chow. Veronica decided to give the monkey a different vegetable each day and record the results of how much Tiny ate daily. After 8 days, Veronica concluded that Tiny likes potatoes best.

Which is an example of the experimental group?

- a. price of potatoes
- b. type of vegetable
- c. how much Tiny ate
- d. Tiny