

Identifying Variables Practice

Independent Variable-

Dependent Variable-

Constants-

Directions:

Circle the Independent Variable. **Underline** the Dependent Variable.

1. The temperature of the water was measured at different depths of a lake.
2. The number of pigs in a litter is determined by the weight of the mother pig.
3. An investigation was done to determine if the amount of sugar given to a plant affected the amount of time it bloomed.

Identify the independent and dependent variables.

4. Student in a science class carried out an investigation in which a flashlight was pointed at a screen. They wished to find out if the distance from the light to the screen had any **effect** on the size of the illuminated area.

IV: _____ DV: _____

5. The State Agriculture Department has been counting the number of foxes. Will the number of foxes have any **effect** on the rabbit population?

IV: _____
DV: _____

6. The score of the final test **depends** on the number of skills attained?

IV: _____
DV: _____

7. Five groups of rats are fed identical diets except for the amount of Vitamin A that they are given. Each group gets a different amount. After three weeks, the rats are weighed to see if the amount of Vitamin A affected their weight.

IV: _____
DV: _____

8. An experiment was done to see if increasing the amount of calcium chloride changes the temperature of water.

IV: _____
DV: _____