

## Identifying Variables

For each of the following statements or descriptions identify the independent variable (IV) and dependent variable (DV). The answers will follow.

1. Students in a science class conducted 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 diameter of the illuminated area.

IV \_\_\_\_\_

DV \_\_\_\_\_

2. The number of pigs in a litter is determined by the mass of the mother pig.

IV \_\_\_\_\_

DV \_\_\_\_\_

3. The State Agriculture Department has been counting the number of foxes in Brown County. Will the number of foxes have any effect on the rabbit population?

IV \_\_\_\_\_

DV \_\_\_\_\_

4. The score on the final test depends on the number of subordinate skills attained.

IV \_\_\_\_\_

DV \_\_\_\_\_

5. A study was done with white rats to see if the number of offspring born dead was affected by the number of minutes of exposure to X-rays by the mother rats.

IV \_\_\_\_\_

DV \_\_\_\_\_