Identifying Independent Variables and Dependent Variables

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For the following statements create an hypothesis (Your hypothesis should, theoretically, be testable). Then identify the IV and DV.

1. Blondes have more fun.

   Hypothesis: Changing people's hair color to blonde will increase the amount of fun that they have.

   IV _____ DV _____

2. A rolling stone gathers no moss.

   Hypothesis: _____

   IV _____ DV _____

3. Familiarity breeds contempt.

   Hypothesis: _____

   IV _____ DV _____

4. When the cat's away, the mouse will play.

   Hypothesis: _____

   IV _____ DV _____

5. Absence makes the heart grow fonder.

   Hypothesis: _____

   IV _____ DV _____

6. An apple a day keeps the doctor away.

   Hypothesis: _____

   IV _____ DV _____

7. Fences make good neighbors.

   Hypothesis: _____

   IV _____ DV _____

8. The early bird catches the worm.

   Hypothesis: _____

   IV _____ DV _____

Research Methods – IV & DV

Name the IV, DV, control group, and experimental group for each of the following scenario.

1. A researcher is interested in how the activity level of 4-year-olds is affected by viewing Teenage Mutant Ninja Turtles. He shows one group a 30-minute video of Teenage Mutant Ninja Turtles and another group a 30-minute video of Barney.

IV:_____DV:_____

Experimental group:_____

Control group:_____

2. A researcher wants to test a new drug designed to increase the ability of teenagers with ADHD to take accurate notes in class.

IV:_____DV:_____

Experimental group:_____

Control group:_____

3. A physiological psychologist wants to know whether exposure to testosterone in adult female rats increases their aggressive behavior.

IV:_____DV:_____

Experimental group:_____

Control group:_____

4. A social psychologist is interested in whether people will enjoy a video game more if they are paid for playing it.

IV:_____DV:_____

Experimental group:_____

Control group:_____

5. An industrial psychologist wants to see if cooling the room temperature may have an impact on productivity of workers on an assembly line.

IV:_____DV:_____

Experimental group:_____

Control group:_____