Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Pd \_\_\_\_\_\_\_\_\_\_\_\_\_\_

Date\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Variables: Ind. and Dep.

Independent and Dependent Variables:

**Part 1 Directions:** Identify the independent and dependent variables in the following statements.

1) The more time people spend using social media, the less they read books.

Independent Variable:

Dependent Variable:

2) Drinking energy drinks makes people more aggressive.

Independent Variable:

Dependent Variable:

3) Taking a nap in the afternoon makes people more focused for the rest of the day.

Independent Variable:

Dependent Variable:

4) Spending time with a family dog decreases the amount of stress someone is feeling.

Independent Variable:

Dependent Variable:

5) Eating breakfast in the morning increases the ability to learn in school.

Independent Variable:

Dependent Variable:

**Part 2 Directions…*More Challenging:*** Identify the independent and dependent variables in the following descriptions of experiments:

1) Students watched a cartoon either alone or with others and then rated how funny they found the cartoon to be.

Independent Variable:

Dependent Variable:

2) A comprehension test was given to students after they had studied textbook material either in silence or with the television turned on.

Independent Variable:

Dependent Variable:

3) Some elementary school teachers were told that a child’s parents were college graduates, and other teachers were told that the child’s parents had not finished high school; they then rated the child’s grades.

Independent Variable:

Dependent Variable:

4) Workers at a company were assigned to one of two conditions: One group completed a stress management training program; another group of workers did not participate in the training. The number of sick days taken by these workers was examined for the next 2 months.

Independent Variable:

Dependent Variable:

5) Students at a University were split into two groups and each received a different text for a philosophy course. Once group received a traditional text book, while the other received an interactive textbook on a tablet computer. After the course, the final exam grades between the two groups of students was compared.

Independent Variable:

Dependent Variable:

Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Pd \_\_\_\_\_\_\_\_\_\_\_\_\_\_

Date\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Variables: Ind. and Dep.

Independent and Dependent Variables: ANSWERS

**Part 1 Directions:** Identify the independent and dependent variables in the following statements.

1) The more time people spend using social media, the less they read books.

Independent Variable: Time on Social Media

Dependent Variable: Less books read

2) Drinking energy drinks makes people more aggressive.

Independent Variable: Drinking energy drinks

Dependent Variable: Aggressive behavior

3) Taking a nap in the afternoon makes people more focused for the rest of the day.

Independent Variable: Time spent napping in the afternoon

Dependent Variable: Focus

4) Spending time with a family dog decreases the amount of stress someone is feeling.

Independent Variable: Spending time with a family dog

Dependent Variable: Amount of stress someone is feeling.

5) Eating breakfast in the morning increases the ability to learn in school.

Independent Variable: Eating breakfast

Dependent Variable: Ability to learn

**Part 2 Directions…*More Challenging:*** Identify the independent and dependent variables in the following descriptions of experiments:

1) Students watched a cartoon either alone or with others and then rated how funny they found the cartoon to be.

Independent Variable: Watching cartoons solo or with others

Dependent Variable: How funny the cartoon is

2) A comprehension test was given to students after they had studied textbook material either in silence or with the television turned on.

Independent Variable: Studying with or without TV

Dependent Variable: Achievement on a test

3) Some elementary school teachers were told that a child’s parents were college graduates, and other teachers were told that the child’s parents had not finished high school; they then rated the child’s grades.

Independent Variable: Education of parents

Dependent Variable: Children’s grades

4) Workers at a company were assigned to one of two conditions: One group completed a stress management training program; another group of workers did not participate in the training. The number of sick days taken by these workers was examined for the next 2 months.

Independent Variable: Stress Management Training

Dependent Variable: Sick days taken

5) Students at a University were split into two groups and each received a different text for a philosophy course. Once group received a traditional text book, while the other received an interactive textbook on a tablet computer. After the course, the final exam grades between the two groups of students was compared.

Independent Variable: Type of book used in college class

Dependent Variable: Final exam grade