

Name:

Date:

1. Fill in each blank with "a" or "e".

The \_\_\_ffect of music on learning is not clearly determined. Some people feel that they are un\_\_\_ffected by music when they study. Others believe that it \_\_\_ffects them significantly, whether for better or for worse. For those people, the \_\_\_ffectiveness may vary by type of music. For example, classical music may have a positive \_\_\_ffect on some people, have a negative \_\_\_ffect on others, and not \_\_\_ffect other people at all.

2. Mary-Grace hypothesizes that people who regularly get up early are happier than people who regularly get up late. State the following.

a) levels of independent variable

b) dependent variable

condition one: \_\_\_\_\_

\_\_\_\_\_ is being measured

condition two: \_\_\_\_\_

c) Was there random assignment?  yes  no

d) What was the design?  experimental  quasi-experimental

Did Jordan randomly decide who is in which condition?

Experiments use random assignments, and quasi-experiments do not.

3. Mary-Grace adds the moderator variable of age to her study. State a possibility for each of the following.

a) a main effect

In the study overall, \_\_\_\_\_  
\_\_\_\_\_

b) a simple effect

Specifically for people who are \_\_\_\_\_,  
\_\_\_\_\_

c) an interaction

For people who are \_\_\_\_\_,  
\_\_\_\_\_

but for people who are \_\_\_\_\_,  
\_\_\_\_\_

4. Ryley hypothesizes that living far away from school makes it harder to do well in school. Use the given explanation to state whether each variable below is independent, dependent, mediating, or moderating.

a) He is studying how well students do in school, so GPA could be...

b) He is studying the effect of closeness to school, so distance from school is...

c) If living far from school has a bigger effect in the winter than in the spring, then season is...

d) If living far from school only significantly affects students who don't drive, then have a license is...

e) Living close to school makes it easy for students to meet with other students to study, so studying with others is...