Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Per:\_\_\_\_\_\_\_\_\_\_\_

Behavioral research with dolphins often requires a handler who is actually within or near to the tank where the dolphin is swimming, as well as one or more researchers, who are usually in a separate room where they cannot be observed by the dolphin. The handler usually wears large, opaque goggles, has a blank, emotionless affect and follows commands given by the researchers. What is the purpose of all of these arrangements?

1. To prevent the communication of complex information, which occurred between Clever Hans and his questioners, between the handlers and the dolphins
2. To prevent the researchers from giving any signals to the handlers which might bias the handlers’ cues to the dolphins
3. To avoid giving the dolphins any subtle behavioral cues, such as were given to Clever Hans
4. To trick the dolphins into behaving as if there were no human observers present

A psychologist is conducting an experiment to determine the effects of caffeine consumption on test performance. In such an experiment, which of the following would most likely be the independent and dependent variables?

1. The dependent variable would be amount of caffeine consumed and the independent variable would be test performance.
2. The independent variable would be amount of caffeine consumed and the dependent variable would be test performance.
3. The independent variable would be the difficulty of the test taken and the dependent variable would be amount of caffeine consumed.
4. The dependent variable would be the difficulty of the test taken and the independent variable would be amount of caffeine consumed.

In her office, Arlene decided that the color of the cubicles might affect the rate of productivity. She read that blue enhanced performance, while yellow was a color that impeded performance. In her psychology class, she learned about hypothesis testing and decided to use it to see if the article was correct. She painted half of the cubicles blue and half of them yellow. After two months, she reviewed the number of projects completed by workers in each of the colors of cubicles. What is the dependent variable in this experiment?

1. The color of the cubicles

# The number of projects completed by each group

1. The length of time she measured output
2. The control group

Hypothetically, if several correlational studies have found a high correlation between aggressive personality and heart disease, which of the following can we conclude with certainty?

1. Heart disease causes aggression.
2. Aggression causes heart disease.
3. Heart disease is not caused by aggression.
4. None of the above. Since correlation does not imply causation, we cannot make causal claims based on correlational studies**.**

Social scientists study the backgrounds of children who have been assigned to foster care. They want to know whether the majority of children who are placed in foster care have been physically abused in their prior homes. Which research method would be the most appropriate one to use to answer this question?

# Correlation

1. Experimental
2. Survey
3. Case study

A psychological test of aggression that consistently overestimates aggression suffers from \_\_\_\_\_\_\_. A psychological test of aggression that sometimes overestimates aggression and sometimes underestimates aggression due to random variability suffers from \_\_\_\_\_\_.

1. bias; error
2. error; bias
3. inferential error; bias
4. bias; inferential error

A researcher is interested in the opinions of all undergraduate students at a particular university regarding cafeteria food. She randomly surveys 100 students as they enter the cafeteria and concludes that undergraduate students at the university like the food. What is a likely problem with this research?

1. The sample is biased.
2. The sample is not reliable.
3. Such questions can only be answered in a laboratory, not in the field.
4. Such questions can only be answered with interviews, not with surveys.

A college basketball coach is interested in picking out good candidates from the incoming freshman class. He chooses his first set of candidates by selecting all freshmen over 6’6”. He chooses his second set of candidates by selecting all freshmen who previously played basketball on their varsity team in junior high school. The procedure used by the coach to select the first group of freshmen has \_\_\_\_\_\_, while the procedure used by the coach to select the second group of freshmen has \_\_\_\_\_\_\_.

1. reliable validity; index validity
2. face validity; criterion validity
3. criterion validity; face validity
4. index validity; reliable validity

Which of the following is NOT one of the three primary ethical considerations in research with humans?

1. The participants’ rights to privacy
2. The participants’ rights to fair compensation
3. The use of deception
4. The possibility of discomfort or harm to participants