Guideline Quizzes for Module 4

Question 1	1 point
The primary purpose of an experiment is to:	
Choose at least one correct answer	
A Observe natural phenomena	
B Establish cause-and-effect relationships	Correct answer
C Collect data without intervention	
D Describe a population	
Question 2	1 point
In an experiment, the variable that is manipulated by the researcher is called the:	
Choose at least one correct answer	
A Dependent/response variable	
B Independent/treatment variable	Correct answer
C Control variable	
(D) Confounding variable	
Question 3	1 point
Observational studies can prove causation.	
A True	
B False	Correct answer

Ques	stion 4	1 point
Which	of the following is a weakness of observational studies?	
Choos	e at least one correct answer	
A	They can prove causation.	
B	They are less prone to confounding variables.	
©	They can be used to study rare events or diseases.	
D	They are less expensive and time-consuming than experiments.	Correct answer
Ques	stion 5	1 point
Which	of the following is a weakness of observational studies?	
Choos	e at least one correct answer	
A	They cannot be used to study large populations.	
B	They are difficult to replicate.	
©	They cannot be used to study human behavior.	
D	They are subject to selection bias.	Correct answer
Ques	stion 6	1 point
Which	of the following is a way to minimize bias in observational studies?	
Choos	e at least one correct answer	
A	Using a convenience sample.	
B	Relying on self-reported data.	
©	Carefully defining and measuring variables.	Correct answer
D	Ignoring potential confounding variables.	

Question 7	1 point
Bias can completely invalidate the findings of an observational study.	
A True	
B False	Correct answer
Question 8	1 point
It is impossible to eliminate all bias from observational studies.	
A True	Correct answer
B False	
Question 9	1 point
The main advantage of observational studies over experiments is that they:	
Choose at least one correct answer	
A Can prove causation.	
B Are less prone to ethical concerns.	
C Can be used to study variables that cannot be manipulated.	Correct answer
D Have higher internal validity.	
Question 10	1 point
Which of the following is NOT a type of bias in observational studies?	
Choose at least one correct answer	
A Selection bias	
B Information bias	
C Confounding bias	
D Randomization bias	Correct answer