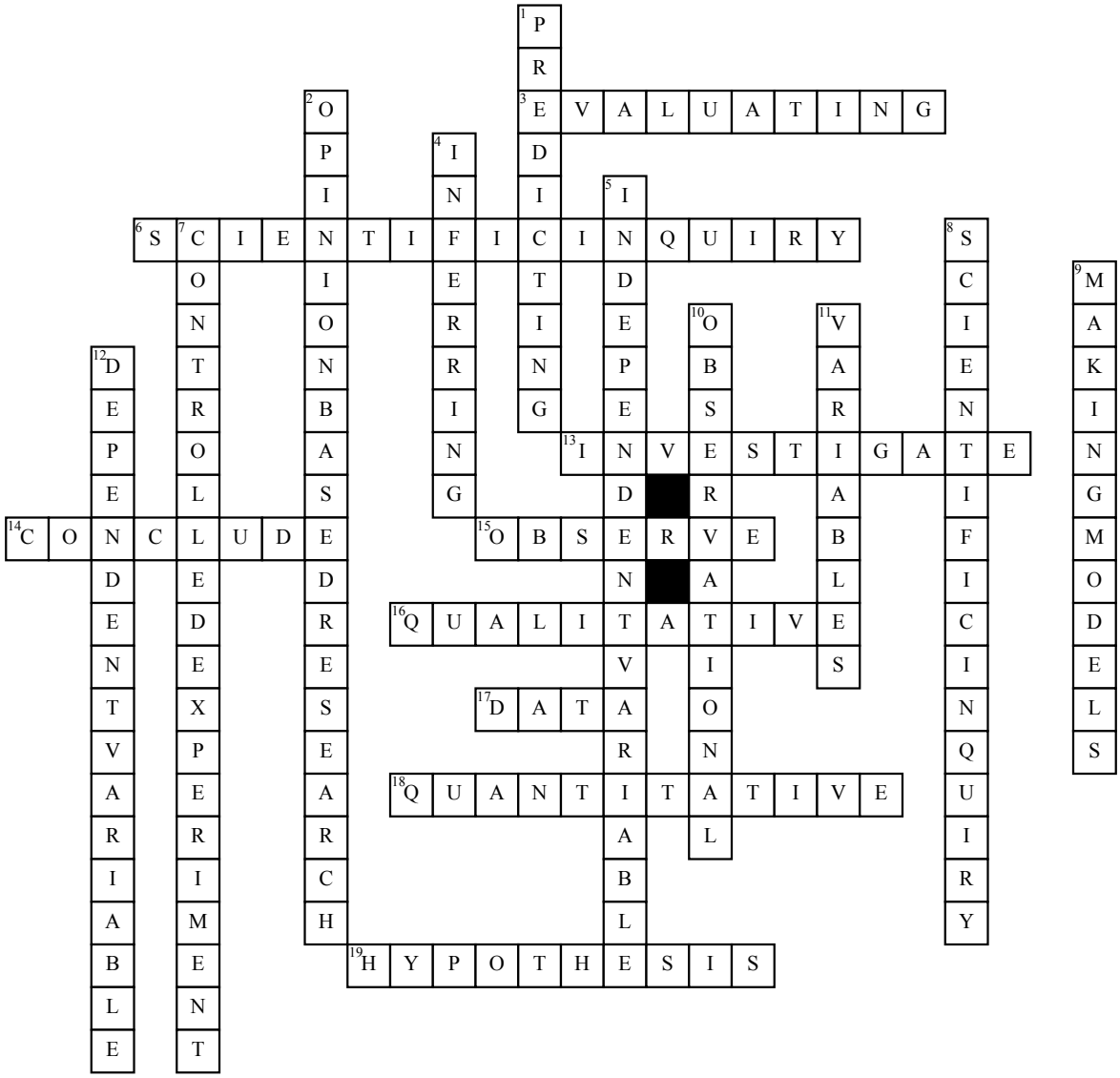
Name: _____ Date: _____

Scientific Inquiry/Doing Experiments



Across

3. Comparing observations and data to reach a conclusion about them

6. refers to the diverse ways in which scientists study the natural world and propose explanations based on the evidence they gather

13. Observe or study closely

14. To reach a decision

15. To see or notice

16. Deals with the descriptions that cannot be expressed

17. the facts, figures, and other evidence gathered through qualitative and quantitative observations

18. Deals with numbers, or amounts (Height, Weight)

19. a possible explanation for a scientific question

Down

1. Making a statement or claim about what will happen in the future based on past experience or evidence

2. involves asking people questions surveys interviews.

4. Explain or interpret the things you observe

5. the one variable that is purposely changed to test a hypothesis

7. an experiment in which only one variable is manipulated at a time

8. refers to the diverse ways in which scientists study the natural world and propose explanations based on the evidence they gather

9. Involves creating representations of complex objects or processes

10. involves research methods where the researchers try to observe an event without interfering

11. factors that can affect the result of an experiment

12. the factor that may change in response to the independent variable is the dependent variable