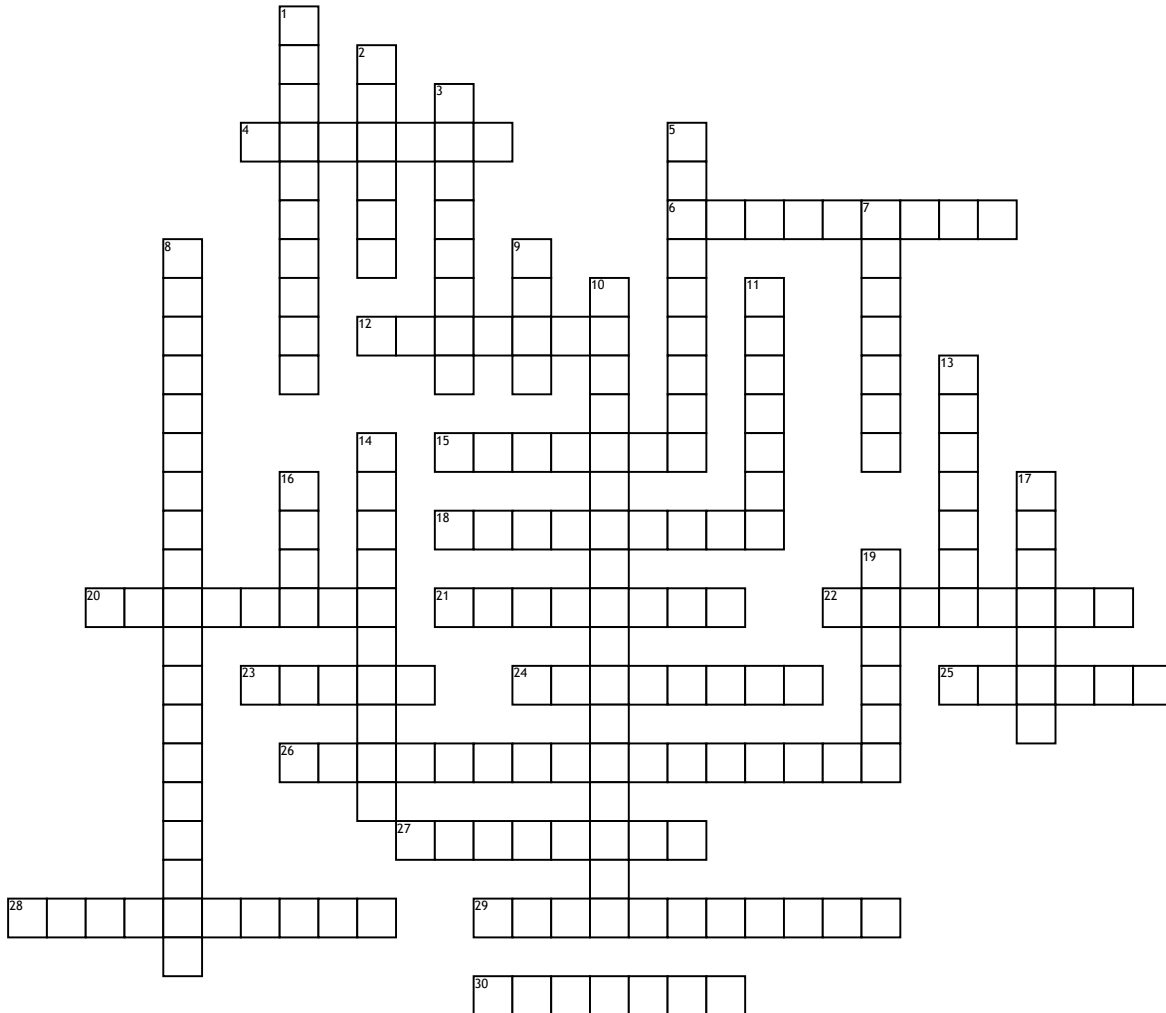


Name: _____

Date: _____

The Scientific Method



Across

4. To determine the extent, quantity or dimensions

6. To repeat a research study, usually with different participants and in different situations, to confirm the results of the original study

12. To notice similarities or differences

15. The methodological studying of the natural world through experimentation and verification of facts

18. A detailed series of steps to follow to perform an experiment

20. A feature of the experiment that does not change

21. To name or recognize something based on its properties

22. The collecting of information on a particular subject

23. To make a conclusion based on reasoning and observations

24. To group information into categories

25. Visual aids used by scientists to communicate results of an experiment

26. The process used by scientists to solve problems

27. Part of the experiment capable to change

28. What a scientist writes summarizing the results of an experiment

29. The action or process of examining something carefully in order to

30. Indicate in advance on the basis of observation, experience or scientific reason

Down

1. A scientific procedure undertaken to make a discovery, test a hypothesis or demonstrate a known fact

2. The outcome or conclusion of an experiment after a period of time

3. The first step in the scientific method is to define or identify the _____.

5. To form an idea as a result of the analysis of the data

7. A standard to compare with the results in an experiment

8. The variables that the experimenter changes to test their dependent variable

9. To cause favoritism or influence to experimental results

10. The variable that depends on other factors, also the variable that will be measured and affected during the experiment

11. To examine carefully and in detail to identify

13. To observe carefully and in detail

14. A statement predicting the result of a controlled scientific experiment

16. Evidence gathered through observations (especially during experiments)

17. To record observations, research and other information related to the experiment

19. To write down in permanent form for later reference