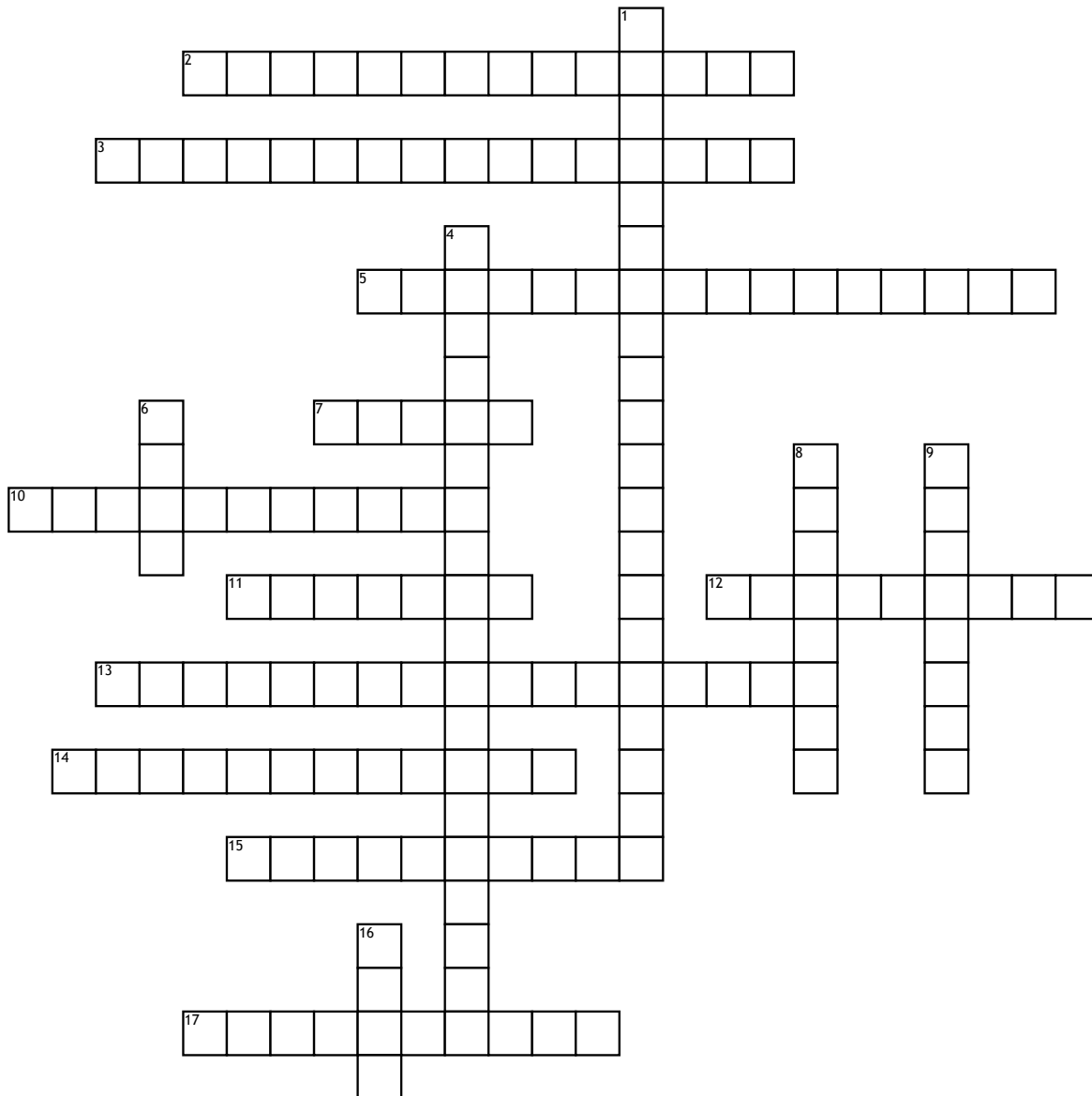


# Science Review- Variables and Design



## Across

2. When measuring, you need to mark the \_\_\_\_ with an arrow.
3. A method of research in which a problem is identified, relevant data are gathered, a hypothesis is formulated from these data, and the hypothesis is tested.
5. The things that will always stay the same in an experiment.
7. This displays coordinates and shows how the data changed in the trolley trials.
10. When you notice something happening in the experiment. Only something that is actually happening, not an opinion or guess.

11. A paper vehicle powered by a rubber band and propeller.

12. A person whose job it is to research and investigate information in science and nature.

13. The thing being observed for data collection. (effect)

14. Your favorite science teacher :)

15. A simple procedure, or plan, that you could use in order to test your independent variable.

17. an educated guess at your question's answer. What you think will be the results.

## Down

1. The idea that all other variables in a system are controlled, except for the one you want to test.

4. The one aspect being controlled/changed in order to observe other things changing. The thing the scientist is choosing to test

6. An acronym that stands for science, technology, engineering, and math.

8. A person whose job it is to solve problems using information gathered from research.

9. This equation measures what?  
 $d=X_f-X_i$

16. information collected in an experiment