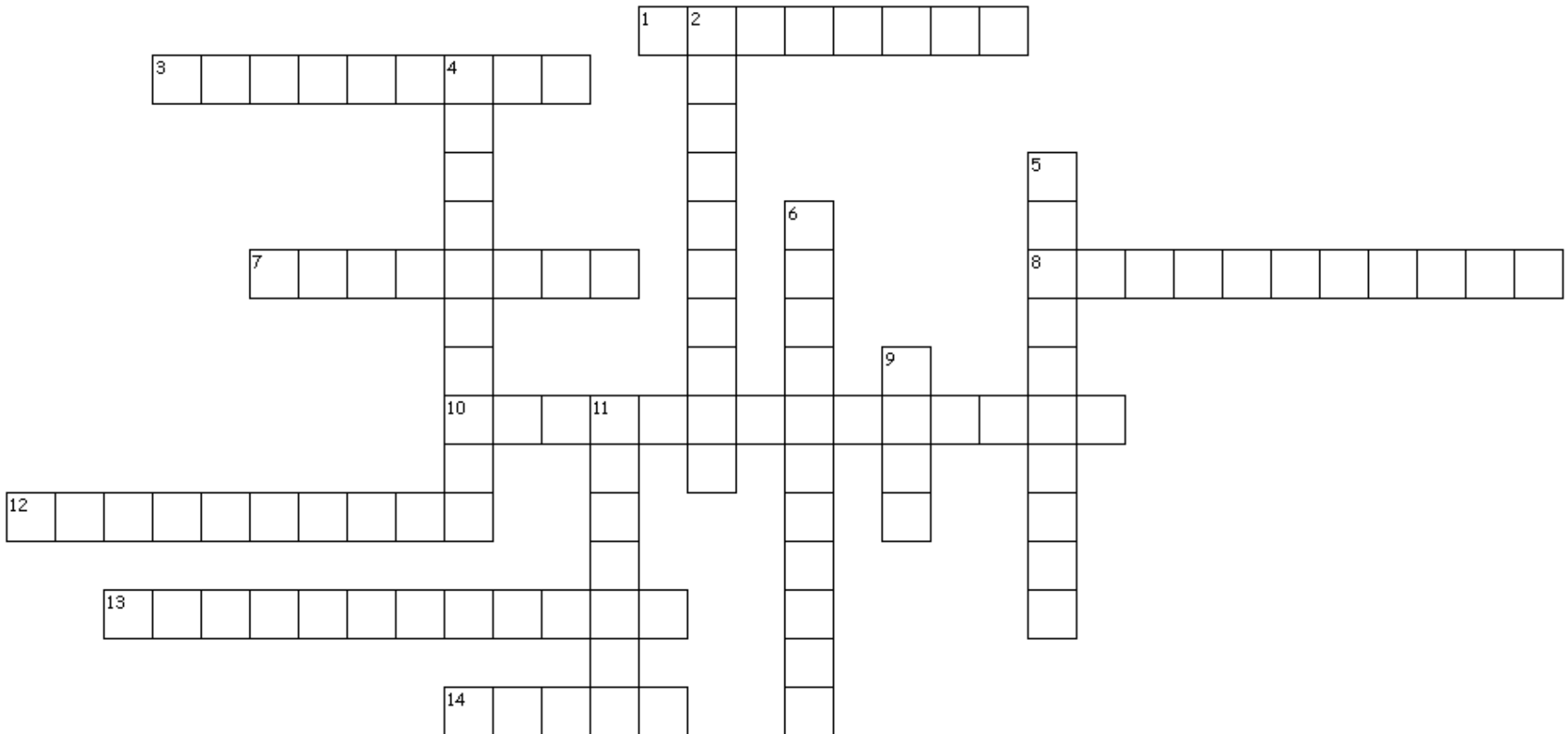


Name _____

The Nature of Science – Refer to Your Handbook



Across

1. Are possible explanations for repeatedly observed patterns in nature
3. To carefully explore all of the properties or characteristics of an object or phenomenon
7. Groups that do not get the experimental treatment; they provide an "untreated" basis of comparison for the experimental group. They are used as a baseline measure
8. Written answers to the original question
10. Grouping or categorizing according to similarities and differences
12. Discussions of how the investigation can be carried further
13. Discussions of how the results of the investigation can be used
14. Any representation of an object or an event used as a tool for understanding the natural world

Down

2. An educated guess about the relationship between the independent and dependent variable
4. Are deductions based on observations
5. Is the use of science to help people in some way. It is the application of science to make useful products and tools, such as computers and use of knowledge gained through scientific thinking and problem solving to make new products or tools
6. Guesses about future observations. They are based on careful observations and inferences
9. Are rules that describe a pattern or behaviors in nature. They predict or describe what will happen, but do not try to explain why something happens. They frequently have mathematical evidence to support them
11. Is way of learning more about the natural world that provides possible explanations to questions and involves using a collection of skills