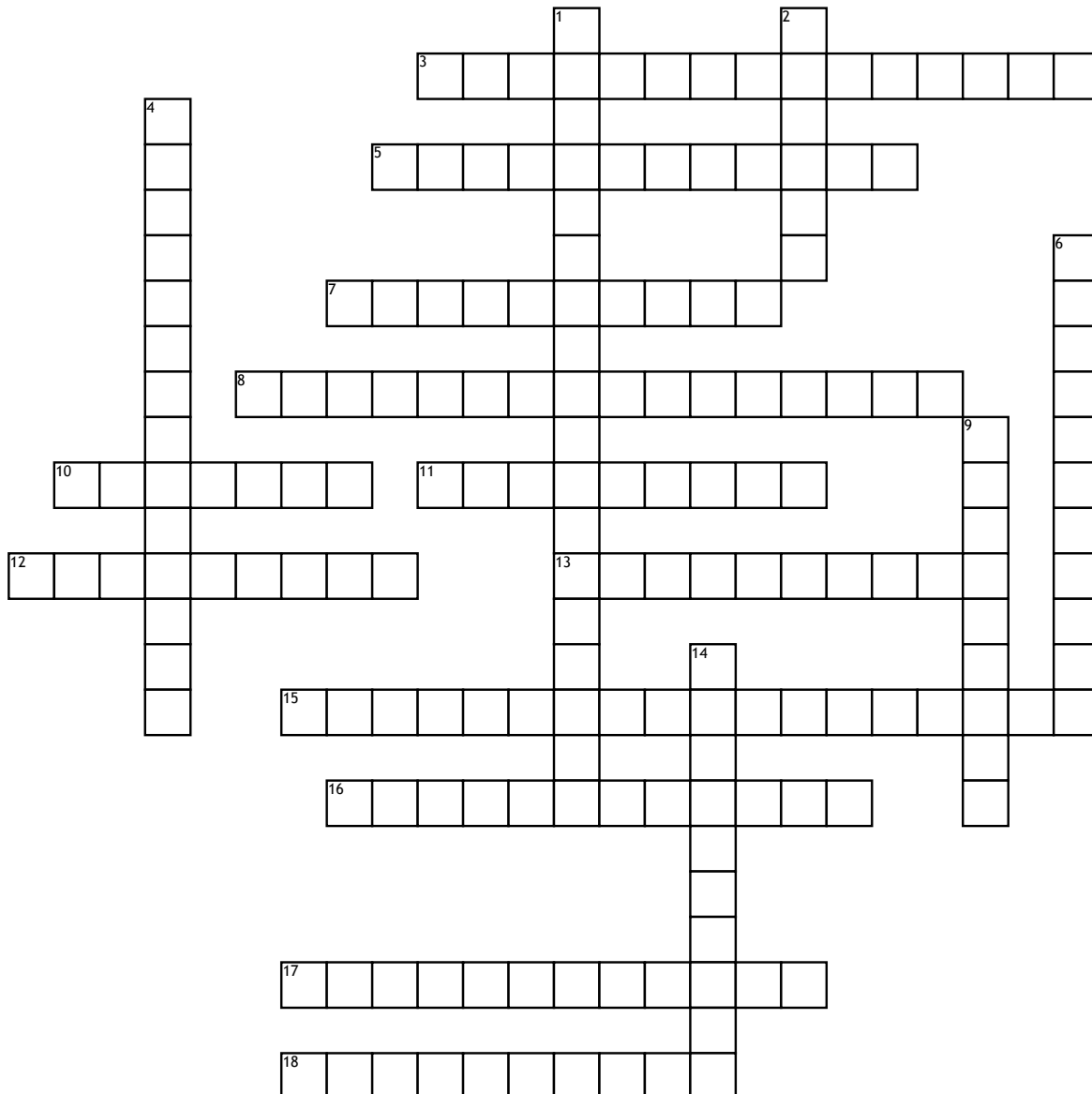


# Thinking and Skills of Scientists



## Across

3. an observation that deals with a number or amount (second word abbreviated)
5. an outlook influenced by the beliefs, social forms, and traits of a group
7. an attitude of doubt
8. a mistake in the design of an experiment that makes a particular result more likely
10. a way of learning about the natural world through observations and logical reasoning; leads to a body of knowledge
11. the process of using one or more of your senses to gather information

12. describes the act of decision making or drawing conclusions based on available evidence
13. describes the influence of personal feelings on a decision or conclusion
15. a way to explain things by starting with a general idea and then applying the idea to a specific observation
16. the process of creating representations of complex objects or processes
17. an outlook influenced by a person's likes and dislikes
18. comparing observations and data to reach a conclusion about them

## Down

1. using specific observations to make generalizations
2. the study of principles about what is right and wrong, fair and unfair
4. an observation that deals with characteristics that cannot be expressed in numbers (second word abbreviated)
6. the process of grouping together items that are alike in some way
9. the process of making an inference, and interpretation based on observations and prior knowledge
14. the process of forecasting what will happen in the future based on past experience or evidence