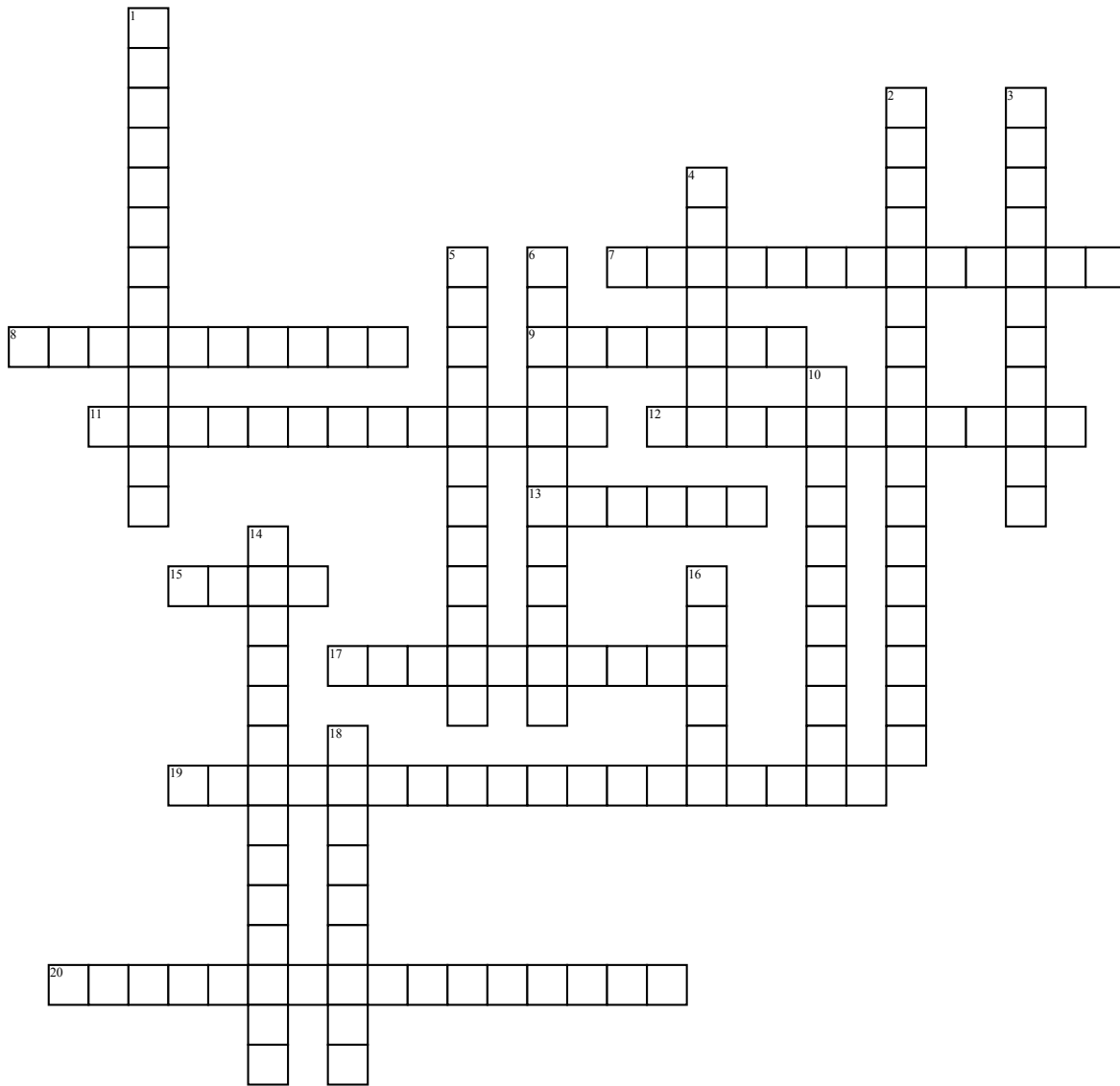


# Unit 4 Vocabulary Quiz



**Across**

- 7. This describes the fact that some subjects in an experiment will respond favorably to any treatment, even an inactive treatment.
- 8. This deliberately imposes some treatment on individuals to measure their responses.
- 9. When the units are human beings, they often are called \_\_\_\_\_.
- 11. The \_\_\_\_\_ of an estimate describes how far, at most, we expect the estimate to vary from the true population value.
- 12. This occurs when two variables are associated in such a way that their effects on a response variable cannot be distinguished from each other.
- 13. This is a subset of individuals in the population from which we collect data.
- 15. The design of a statistical study shows this if it would consistently underestimate or consistently overestimate the value you want to know when the study is repeated many times.

- 17. The \_\_\_\_\_ in a statistical study is the entire group of individuals we want information about.
- 19. This observes individuals and measures variables of interest, but does not attempt to influence the responses.
- 20. These are the smallest collection of individuals to which treatments are randomly assigned.

**Down**

- 1. This occurs when some members of the population are less likely to be chosen or cannot be chosen for the sample.
- 2. Choosing individuals from the population who are easy to reach results in a \_\_\_\_\_.
- 3. This occurs when an individual chosen for the sample can't be contacted or refuses to participate.
- 4. This is a treatment that has no active ingredient, but is otherwise like other treatments.

- 5. In an experiment, a \_\_\_\_\_ is a group used to provide a baseline for comparing the effects of other treatments. Depending on the purpose of the experiment, a \_\_\_\_\_ may be given an inactive treatment or an active treatment.
- 6. This occurs when there is a consistent pattern of inaccurate responses to a survey question.
- 10. In a \_\_\_\_\_ experiment, neither the subjects nor those who interact with them and measure the response variable know which treatment a subject received.
- 14. This involves using a chance process to determine which members of a population are included in the sample.
- 16. This collects data from every individual in the population.
- 18. A \_\_\_\_\_ is a specific condition applied to the individuals in an experiment.