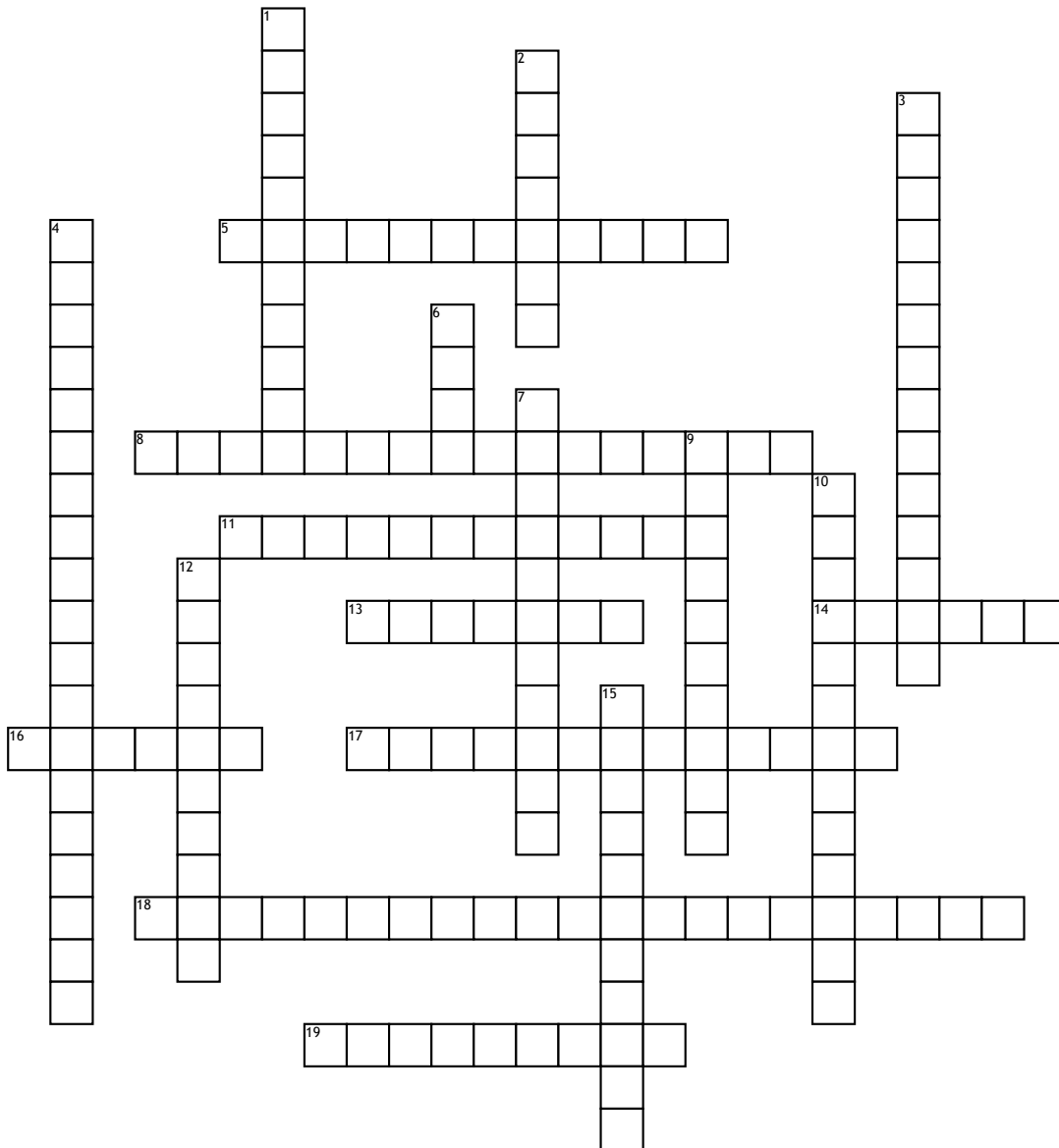


# Unit 4 Vocab



## Across

5. This occurs when there is a consistent pattern of inaccurate response to survey question.
8. This means that experimental units are assigned to treatments using a chance process.
11. A group used to provide a baseline for comparing the effects of other treatments; may be given an inactive or active treatment.
13. When the units are human beings.
14. This collects data from every individual in the population.
16. This is a subset of individuals in the population from which we collect data.
17. An estimate that describes how far, at most, we expect the estimate to vary from the true population value.
18. This consists of people who chose to be in the sample by responding to a general invitation; AKA self-selected samples.

19. A specific treatment applied to the individuals in an experiment.

## Down

1. Neither the subjects nor those who interact with them and measure the response variable know which treatment a subject a subject received.
2. This is a treatment that has no active ingredient, but is otherwise like other treatments.
3. This involves using a chance process to determine which members of a population are included in the sample.
4. The fact that different random samples of the same size from the same population produce different estimates is called \_\_\_\_.

6. 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. Undercoverage / This occurs when some members of the population are less likely to be chosen or cannot be chosen for the sample.
7. Either the subjects don't know which treatment they are receiving or the people who interact with them and measure the response variable don't know which subjects are receiving which treatment.
9. This deliberately imposes some treatment on individuals to measure their responses.
10. This describes the fact that some subject in an experiment will respond favorably to any treatment, even an inactive treatment.
12. The \_\_\_\_ in a statistical study is the entire group of individuals we want information about.
15. This occurs when an individual chosen for the sample can't be contacted or refuses to participate.