**S1**

1. What is the difference between a statistic and a parameter?
2. Inferential statistics are used to draw conclusions about a whole population. (T or F)
3. In the ideal situation our sample should be a \_\_\_\_\_ sample from some population.
4. A random sample is one in which \_\_\_\_.
5. When we are engaged in drawing conclusions about a population we are using inferential statistics. (T or F)

Answers

1. A statistic refers to a measure (e.g., average) based on a sample of data, and a parameter refers to that measure on a whole population of objects.
2. True
3. Random
4. every member of the population has an equal chance of being included
5. True