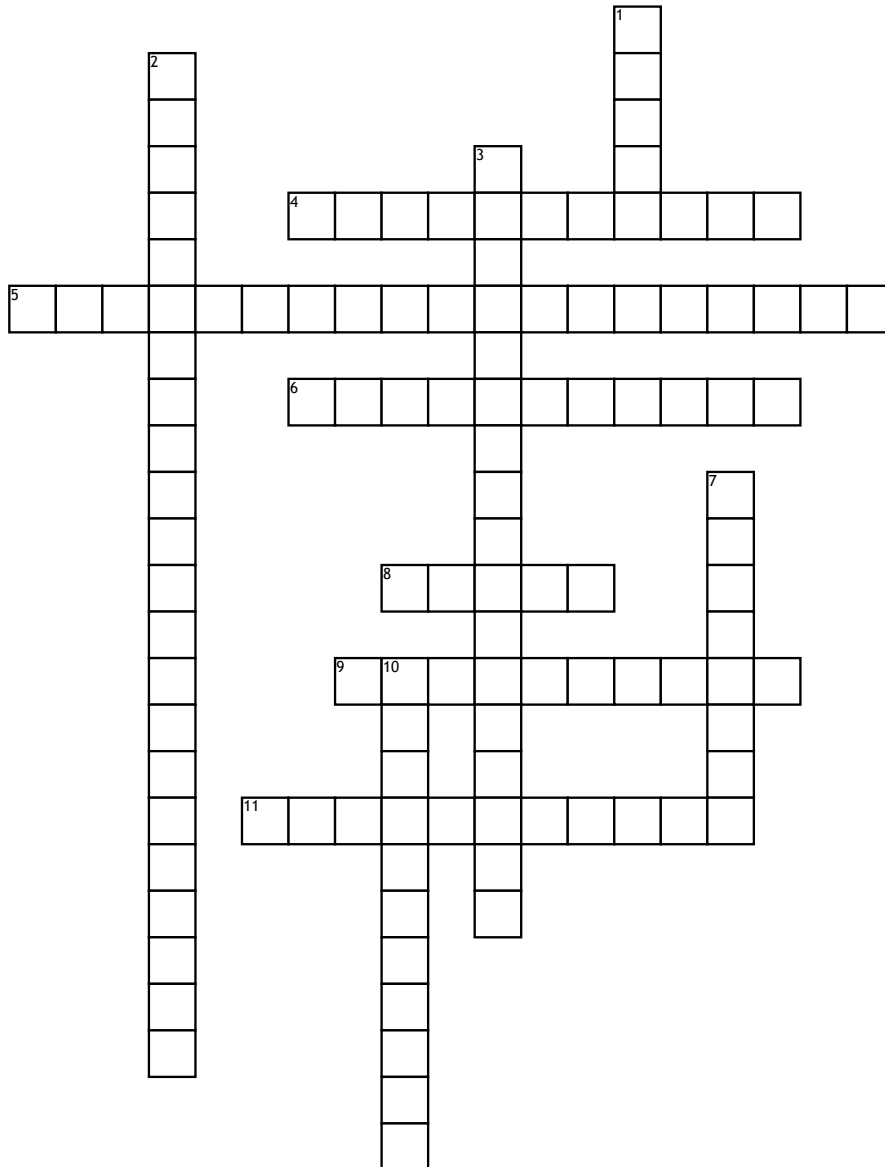# Chapter 5 Vocab: Probability

Across

4. The long-run relative frequency of a chance outcome

5. The four steps of the process to perform a simulation

6. The set of all possible outcomes of a chance process

8. Any collection of outcomes of a chance process

9. An imitation of chance behavior, most often carried out with random numbers

11. If the P(A and B) = P(A) * P(B), the the events are _____

Down

1. Describes chance behavior by listing the possible outcomes and giving the probability that each occurs PROBABILITY

2. The probability that one event happens given that another event is known to have occurred

3. The law that states that the proportion of times that a particular outcome occurs in many repetitions will approach a single number

7. Two events are _____ if they have no outcomes in common and can never occur together

10. Two events are _____ if the occurrence of one has no effect on the chances that the other will happen