Probability: Key Terms

Term	Definition	Formula / Notation / Example
Random	Occurring with _____ possible outcomes.	
Probability	The likelihood of some particular _____ occurring. Between _____.	*
Sample Space	The set of all _____ for an experiment, where one and only one must occur.	
Event Space	A subset of the _____ describing an outcome (or outcomes) of interest.	
Uniform Sample Space	A sample space where all outcomes are _____.	
Impossible event	An event with _____. Will _____.	
Certain event	An event with _____. Will _____.	
Complementary events	The complement _____ is the event that _____.	
Relative Frequency	An _____ measure of an event's occurrences, used to approximate probability.	
Multi-stage experiment	An experiment which can be broken down into a _____.	
Tree Diagram	A visual way of depicting the _____ of a _____.	
Word	Any arrangement of _____ _____.	
Set	A collection of things called _____ or _____. Can be finite or infinite	
The empty set	The set with _____. Written as _____.	
Intersection (____)	The intersection of sets **A** and **B** contains all the elements belonging to _____	
Union (____)	The union of sets **A** and **B** contains all the elements belonging to _____	
Subset	The set **A** whose members all belong to some set **B** is a _____.	
Universal Set	The set containing everything under discussion _____.	
Set Complement	All the members of the universal set _____ which are not members of **A** belong to _____.	