

## New Terminology

***Experiment*** – is an activity under consideration, such as flipping a coin.

***Outcome*** – is one of the possible things that can happen in an experiment.

***Sample space*** -the set of all possible outcomes in an experiment.

***Event*** - a list of specific outcomes within a sample space – a subset of the sample space.

***Mutually exclusive events*** – events are mutually exclusive if the occurrence of one event prevents the occurrence of the other.  $A \cap B = \emptyset$

***Independent events*** – two events, A & B, are independent if the occurrence of A has no effect on the probability of B.