**Vocabulary: Coulomb Force (Static)**



**Vocabulary**

* Coulomb’s law – a law that describes the *electrostatic force* between two charged objects.
	+ Coulomb’s law states that the electrostatic force between two charged objects (*Fq*) is equal to a constant (*k*) multiplied by the product of the charges (*q1* and *q2*) divided by the square of the distance between them (*R*):



* Electrostatic force – the force between charged objects.
	+ Opposite charges (positive and negative) will attract one another.
	+ Similar charges (positive-positive or negative-negative) will repel one another.
* Vector – a representation that specifies the direction and magnitude of a quantity.
	+ In physics, vectors are used to represent displacement, velocity, acceleration, force, and other quantities that have a specific direction.
	+ Vectors are represented visually by arrows.