Position	• A certain place • Location of an object in relation to another object
Motion	• Any change in position over time
Speed	• How fast and how far an object moves in a certain amount of time.
Energy	• The ability to do work
Attract	• What opposite charges do
Repel	• What like charges do
Kinetic Energy	• The energy of motion
Potential Energy	• Energy that is stored to be used later.
Force	• Any push or pull that causes an object to move, stop, or change speed or direction, or change shape • The **greater the force**, the **greater the change** in motion • The more massive an object, the less effect a given force will have on the object
Work	• The result of force moving an object
Gravity	• A force that pulls objects down & towards each other.
Friction	• Resistance to motion created by two objects moving against each other (causes heat)
What effects a change in motion?	• The greater the force=the greater the change in motion • The more massive an object- the less effect a given force will have the object
If objects are not acted on by a force, what happens?	• Objects in motion tend to stay in motion • Objects at rest tend to stay at rest
Mechanical Energy	• Energy an object gets from its motion. • It involves moving parts
Chemical Energy	• Energy that results from chemical changes.