Tier I Week 6 Vocabulary Terms

1. attraction==a force acting mutually between particles of matter, tending to draw them together, and resisting separation
2. balance==a state of equilibrium or equipoise; equal distribution of weight or amount
3. charge==refers to electric charge, which is conserved property of certain subatomic particles that determines their electromagnetic interaction
4. distance==the length of a line between two points, or how far apart two objects are
5. expansion==an increase in the volume of a substance while its mass remains the same
6. force==the push or pull on an object with mass that causes it to change velocity
7. gravity==the force of attraction by which terrestrial bodies tend to fall toward the center of the Earth
8. heat==the energy that flows between two bodies because of differences in temperature
9. inertia==the resistance of a body to changes in its momentum
10. invisible==the state of an object that cannot be seen
11. kinetic==a branch of science that deals with the effects of forces upon the motions of material bodies or with changes in a physical or chemical system
12. Isaac Newton==an English philosopher and mathematician: formulator of the law of gravitation
13. orbit==the curved path, usually elliptical, described by a planet, satellite, spaceship, etc.,
14. principle==a comprehensive and fundamental law, doctrine, or assumption
15. universe==the whole of all matter, energy, planets, galaxies and space