

Science Vocabulary : Energy

1. **Energy**- the ability to do work
2. **Potential energy**- stored energy
3. **Kinetic energy**- moving energy
4. **Mechanical energy**- total kinetic & potential energy
5. **Electrical energy**- energy of moving electrons
6. **Chemical energy**- energy from compounds as they are rearranged
7. **Sound energy**- energy from vibrations of objects
8. **Light energy**- energy of electrically charged particles
9. **Heat or thermal energy**- energy transferred between objects at different temperatures
10. **Nuclear energy**- energy stored in the nucleus of an atom
11. **Law of Conservation of Energy**- energy cannot be created nor destroyed but can be changed to other forms.
12. **Motion**- an object's change in position
13. **Friction**- a force that opposes the motion of an object.
14. **Gravity**- a force of attraction between objects.
15. **Conduction**- the transfer of heat by direct contact of particles.
16. **Convection**- the transfer of heat in fluids (gases and liquids) by the movement of currents.
17. **Radiation**- the transfer of heat without matter; can travel through empty space.