

Types of Energy

1. potential energy – the energy stored in an object or material
2. kinetic energy – the energy of a moving object
3. mechanical energy – energy due to an object's motion (which is kinetic energy) or an object's position (which is potential energy)
4. electromagnetic energy – light energy; the energy caused by the waves of light
5. electrical energy – energy caused by the movement of electrons
6. chemical energy – energy that is available for release from a chemical reaction
7. sound energy – energy caused by an object's vibration transmitted through the air
8. thermal energy – heat energy; the heat energy of an object determines how active the atoms are. Hot objects have rapid moving molecules.
9. nuclear energy – the energy that comes from changes in the nucleus of an atom

Be able to recognize the different energies through examples.

Be able to describe how an energy is transformed from one type to another.

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