Chapter 14 and 15 vocab

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| **Across**  **6.** The energy associated with the motion and position of everyday things  **11.** The total potential and kinetic energy related to the motion of all the particles in an object.  **13.** The SI unit of power,equal to one joule per second  **14.** Energy that is stored as a result of position or shape  **15.** The ability to work  **16.** The energy associated with electric charges.  **17.** A source of energy that can be replaced in a relatively short period of time.  **19.** The energy an object has due to its motion  **20.** A source of energy that exists in limited quantities and,once used,cannot be replaced except over the course of millions of years. | **Down**  **1.** Potential energy that depends upon an object's height above a reference point  **2.**  a fixed object hung from a point so it can swing freely back and forth due to the force of gravity.  **3.** The potential energy of an object that is stretched or compressed  **4.** States that the total energy of an isolated system remains constant.  **5.** A form of energy consisting of changing electric and magnetic fields.  **7.** The potential energy of an object that is stretched or compressed.  **8.** The energy stored in atomic nuclei.  **9.** The SI unit of work,equal to 1 newton-meter  **10.** The energy stored in chemical bonds.  **12.** The rate of doing work  **18.** The product of distance and the force in the direction an object moves |

   Work       Joule       Watt       Power       Energy       Kinetic Energy       Potential Energy       Gravitational Potential Energy       Elastic Potential Energy       Elastic Potential Energy       Mechanical Energy       Thermal Energy       Chemical Energy       Electrical Energy       Electromagnetic Energy       Nuclear Energy       Pendulum       Nonrenewable Energy       Renewable Energy       Law of Conservation of Energy