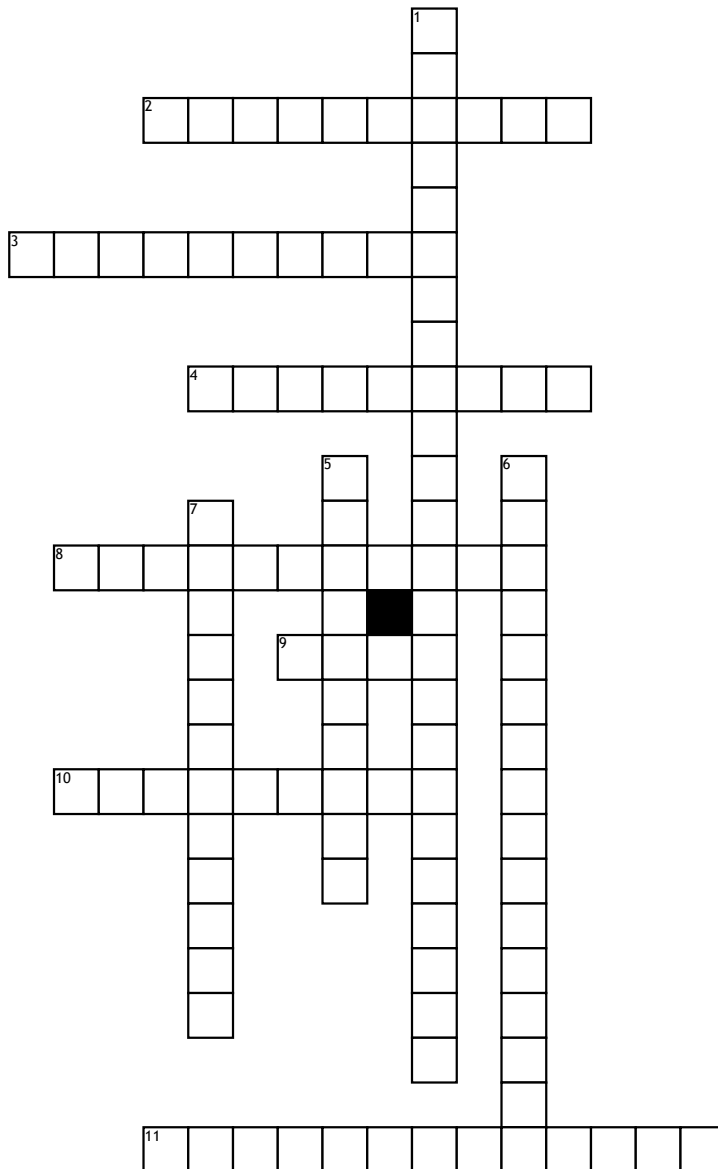


thermal energy unit



Across

2. the movement caused within a fluid by the tendency of hotter and therefore less dense material to rise, and colder, denser material to sink under the influence of gravity, which consequently results in transfer of heat
3. the process by which heat or electricity is directly transmitted through a substance when there is a difference of temperature or of electrical potential between adjoining regions, without movement of the material.
4. a material or device that conducts or transmits heat, electricity, or sound, especially when regarded in terms of its capacity to do this.
8. the measure of kinetic energy in the atmosphere
9. the quality of being hot high temperature.

10. the emission of energy as electromagnetic waves or as moving subatomic particles, especially high-energy particles which cause ionization.

11. the measure of kinetic energy in the atmosphere

Down

1. an engine that generates motive power by the burning of gasoline, oil, or other fuel with air inside the engine, the hot gases produced being used to drive a piston or do other work as they expand.
5. a device for producing motive power from heat, such as a gasoline engine or steam engine.
6. Thermal pollution is the degradation of water quality by any process that changes ambient water temperature
7. the heat required to raise the temperature of the unit mass of a given substance by a given amount