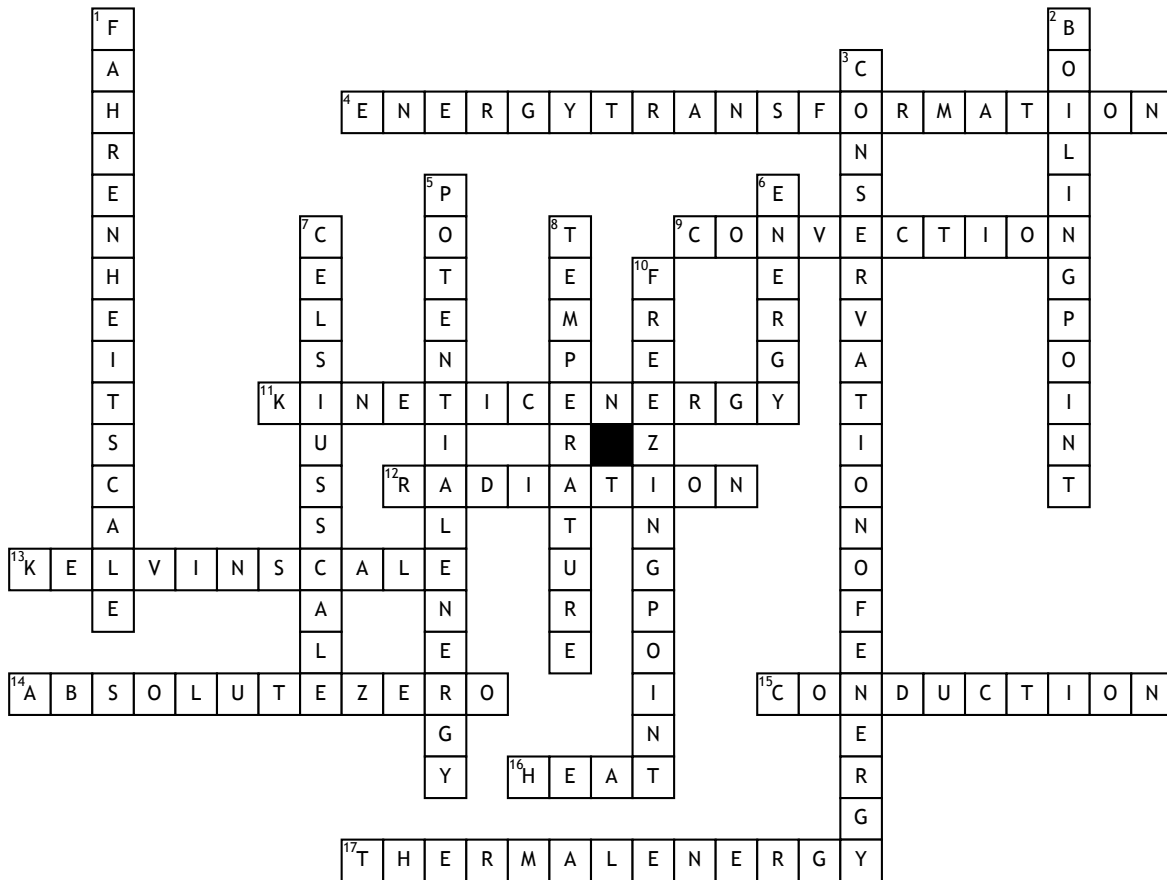


Name: _____

Date: _____

Energy and Heat



Across

4. a change from one form of energy to another
 9. a type of heat transfer that only occurs in fluids, such as water and air
 11. the energy that results from the motion of an object
 12. the transfer of energy by electromagnetic waves
 13. a temperature scale scientists use
 14. the lowest temperature possible (0 Kelvins)

15. transfers heat from one particle of matter to another within an object or between 2 objects
 16. the transfer of thermal energy from a warmer object to a cooler object
 17. the total kinetic and potential energy of all the particles in an object

Down

1. a temperature scale the US uses
 2. the temperature at which a liquid boils

3. the scientific principle that energy is neither lost nor created
 5. the energy that results from the position or shape of an object
 6. the ability to do work or cause change
 7. a temperature scale most countries use
 8. the measure of how hot or cold something is compared to a freezing point
 10. the temperature at which a solid freezes