



Name: _____

Thermodynamics Crossword Puzzle

A crossword puzzle grid with 16 numbered starting points for words. The grid consists of black and white squares. The numbered squares are:

- 1: Down, top-left
- 2: Down, top-right
- 3: Down, middle-left
- 4: Down, middle-left
- 5: Across, middle-left
- 6: Down, middle-right
- 7: Across, middle-left
- 8: Across, middle-right
- 9: Across, middle-left
- 10: Across, bottom-middle
- 11: Down, bottom-left
- 12: Across, bottom-middle
- 13: Across, bottom-middle
- 14: Across, bottom-left
- 15: Across, bottom-middle
- 16: Across, bottom-left

Created on TheTeachersCorner.net Crossword Maker

Across

5. a substance of heterogeneous molecules is the same temperature, the molecules with more mass move ____ compared to the molecules of less mass
7. depends only on the average kinetic energy of the particles in the object.
8. energy that is transferred from one body to another as a result of a difference in temperature.
9. 5 objects of the same mass were shown to take different times to go from 0 to 100 degrees C, the object that took the longest to reach 100 degrees is said to have a _____ specific heat capacity
10. As a cube of ice melts, its temperature ____ and its entropy ____
12. heat energy is lost through a vacuum sealed thermos through what type of heat transfer method
13. the heat required to raise the temperature a unit degree of a given mass of a substance
14. as a substance undergoes a phase change, the temperature is ____ until the phase change is complete
15. an inflated balloon demonstrates low entropy due to ____
16. to exfoliate your pores you put your face over a steaming pot of water, name the method of heat transfer

Down

1. heat energy can be ____ or ____
2. heat always moves from ____ to ____
3. related to how fast the atoms within a substance are moving
4. As energy is used up, a system tends to reach its maximum equilibrium
6. state in which the rate of energy flow between two objects is equal and the objects are at the same temperature
11. you burn your neck while curling your hair, name the method of heat transfer