



Across

- 4** The transfer of thermal energy by the mass motion of molecules, as in the circulation of air. (10)
- 5** Most substances ___ when heated (water is an exception). (6)
- 8** The transfer of thermal energy by electromagnetic waves, as in heat from the sun. (9)
- 9** At this temperature, molecular motion stops. (two words) (8,4)

Down

- 1** Freezing, melting, condensing, evaporating, boiling, and vaporizing (two words) (5,7)
- 2** The transfer of thermal energy by direct contact. (10)
- 3** The average kinetic energy of the molecules of a substance. (11)
- 4** Absolute zero in the ___ temperature scale is -273 degrees. (7)
- 6** The transfer of thermal energy

between substances of different temperature. (4)

- 7** In the temperature scale, molecular motion ceases at 0 degrees. (6)