ACROSS
2. One gram of carbohydrate contains ___(#) dietary calories.
4. As a liquid freezes it gives off heat of ____.
6. 1 cal = 4.184 ___
7. Heat needed to raise the temperature of 1g of substance by 1°C.
8. As a substance evaporates it must absorb heat of ____.
12. Can do work.
13. Unit of heat.
14. Occupies space and has mass.
15. Constant shape and volume.
16. Above the boiling point a substance is a ______.
17. Changing from gas to liquid.

DOWN
1. Active energy like motion.
2. The temperature that a substance changes from a liquid to a solid.
3. As ____ is added the molecules move faster.
5. The intensity of heat.
7. Gas, liquid and solid are called phases or ____ of matter.
9. 1000 cal = 1 ____
10. ____ of humidity on a window causes frost.
11. ____ energy is stored energy.
14. A solid becomes a liquid by ____.