

Name _____

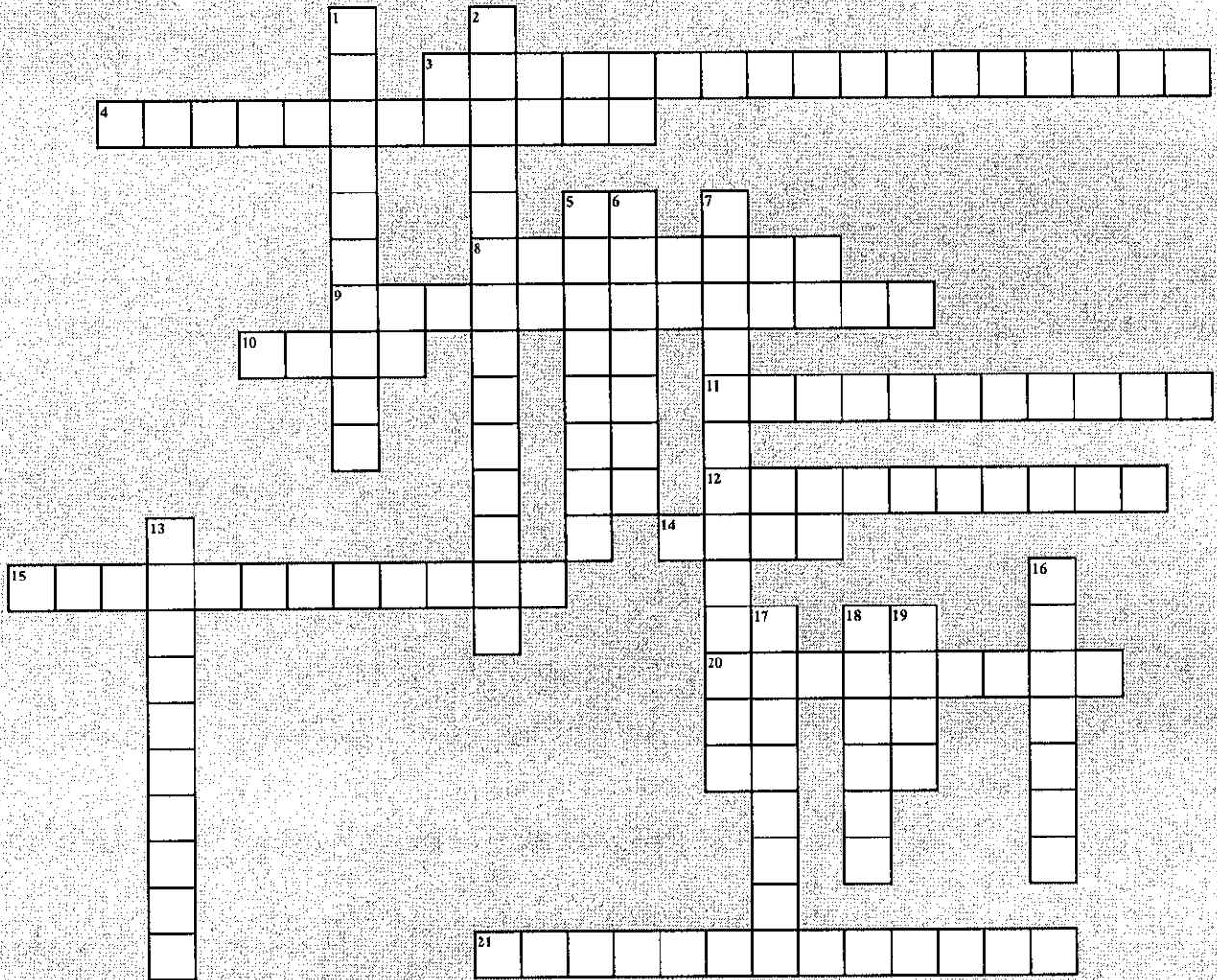


Date _____

(Key # 1 - 972500)

Vocabulary 5

Complete the crossword puzzle.



Across

- 3 a mixture that contains as much dissolved solute as is possible in a given temperature, packed full: completely packed or full so that no more can be added (2 words)
- 4 the process of changing from a gas to a liquid.
- 8 change of matter from a liquid state to a solid state.
- 9 energy that all objects have that increases as the object's temperature increases; the sum of the kinetic and potential energy of the particles in a material (2 words)
- 10 substance that releases H^+ ions and produces hydronium ions when dissolved in water. corrosive substance: a sour-tasting compound that releases hydrogen ions to form a solution with a pH of less than
- 11 a measure of the average value of the kinetic energy of the particles in a material.
- 12 transfer of thermal energy by the movement of particles from one place to another in a gas or liquid.
- 14 thermal energy transferred from a warmer object to a cooler object. energy perceived as temperature:
- 15 the process by which a liquid changes into a gas.
- 20 transfer of energy by electromagnetic waves. Energy emitted from a source in the form of rays or waves, e.g. heat, light, or sound
- 21 describes how much solute is present in a solution compared to the amount of solvent.
- 5 substance that exists before a chemical reaction begins; a substance that reacts with another in a chemical reaction
- 6 change of matter from a solid state to a liquid state.
- 7 energy an object has due to its motion. (2 words)
- 13 a measure of how much solute can dissolve in a given solvents at a given temperature, capacity to dissolve: the extent to which one substance is able to dissolve in another
- 16 substance that forms as a result of a chemical reaction.
- 17 substance that speeds up a chemical reaction but is not used up itself or permanently changed.
- 18 to make something thinner or weaker by adding water or another liquid, a mixture that has only a little solute dissolved in it.
- 19 compound that releases hydroxyl ions to form a solution with a pH greater than 7, reacts with acids to form salts, and turns red litmus paper blue, substance that accepts H^+ ions and produces hydroxide

Down

- 1 transfer of thermal energy by direct contact; occurs when energy is transferred by collisions between particles
- 2 measure of how fast a chemical reaction occurs. (3 words)