|  |  |
| --- | --- |
| Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

Properties and changes in matter.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |  |  | 1  R |  |  |  |  |  |  |  |  |  | 2  R |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  | 3  B |  |  |  |  | E |  |  |  |  |  |  |  |  | 4  G | A | S |  |  |  |  |  |  |  |  |  |
|  |  |  |  | O |  | 5  M |  |  | A |  | 6  C |  |  |  |  |  |  |  | D |  |  |  |  |  |  |  |  |  |  |
|  |  |  | 7  K | I | N | E | T | I | C | T | H | E | O | R | Y |  |  |  | I |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  | L |  | L |  |  | T |  | E |  |  |  |  |  | 8  H |  | A |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  | I |  | T |  |  | I |  | M |  | 9  C | O | N | V | E | C | T | I | O | N |  |  |  |  |  |  |  |
|  |  |  |  | N |  | I |  |  | V |  | I |  |  |  |  |  | A |  | I |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  | G |  | N |  |  | I |  | 10  C | O | N | D | U | C | T | I | O | N |  |  |  |  |  |  |  |  |  |
|  |  |  |  | P |  | G |  |  | T |  | A |  |  |  |  |  | T |  | N |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  | O |  | P |  |  | Y |  | L |  | 11  R |  |  |  | R |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  | I |  | O |  |  |  |  | P |  | E |  | 12  S | T | A | B | I | L | I | T | Y |  |  |  |  |  |  |
|  |  |  |  | N |  | I |  |  |  |  | R |  | A |  |  |  | N |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  | T |  | N |  |  | 13  C |  | O |  | C |  | 14  F |  | S |  | 15  C |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  | T |  |  | O |  | P |  | T |  | L |  | F |  | H |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  | 16  T | E | M | P | E | R | A | T | U | R | E |  | E |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  | B |  | R |  | N |  | I |  | R |  | M |  |  | 17  S |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  | U |  | T |  | T |  | D |  |  |  | I |  |  | O |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  | S |  | I |  |  |  |  |  |  |  | C |  |  | L |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  | 18  T | H | E | R | M | A | L | E | X | P | A | N | S | I | O | N |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  | I |  | S |  |  |  |  |  |  |  | L |  |  | D |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  | L |  |  |  |  |  |  |  |  |  | C |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  | 19  L | I | Q | U | I | D |  |  |  |  |  | H |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  | T |  |  |  |  |  |  |  |  |  | A |  |  |  |  |  |  | 20  P |  |  |  |
|  |  |  |  |  |  |  |  |  | Y |  |  |  |  |  |  |  |  |  | N |  |  |  |  |  |  | L |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | G |  |  |  |  |  |  | A |  |  |  |
|  |  |  |  |  |  |  |  |  |  | 21  C | H | E | M | I | C | A | L | R | E | A | C | T | I | O | N | S |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | M |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | A |  |  |  |

|  |  |
| --- | --- |
| **Across**  **4.** an airlike fluid substance which expands freely to fill any space available, irrespective of its quantity.[  **7.** idea that everything is made up of matter and are constantly moving.  **9.** the transfer of thermal energy by electromagnetic waves  **10.** the transfer of thermal energy through particles of matter that are in direct contact  **12.** do not react with other substances  **16.** measure of average kinetic energy of the particles in an object  **18.** the process that added thermal that causes most substances to increase in size and expand  **19.** has a definite shape but not a definite volume  **21.** chemical changes | **Down**  **1.** describes how easily a substance reacts with other substances  **2.** the transfer of thermal energy through the motion of fluids  **3.** the temperature at which changes between liquid and gas when a liquid evaporates into a gas  **5.** the temp at which changes between solid into liquid that makes it solid melted into liquid  **6.** describes how substances react with other substances  **8.** the movement of thermal energy from one place to another  **11.** substances that change or react  **13.** describes whether or not a substance will burn  **14.** flows and mixes together easily  **15.** when two or more substances are combined and changed into new substances with new properties  **17.** has a definite shape and definite volume  **20.** hot mixture of ions and electrons |