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

Rocks and minerals

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

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| **Across**  **3.** How a mineral breaks into flat surfaces  **5.** how the object feels  **12.** The way light interacts with a rock, or mineral  **13.** Any natural occurring , generally composed of minerals  **15.** the quality of an object or substance with the way light reflects the object  **16.** sand or quartz grains cemented together  **19.** the amount of heat pressed on an object  **20.** Rocks are exposed to extreme temperature and pressure | **Down**  **1.** hot molten or semifluid rock erupted from a volcano  **2.** rocks cool \_ \_ \_ \_ beneath the earths surface  **4.** Color of a mineral when it is crushed to a powder  **6.** Rocks are broken down into smaller pieces or dissolved in water as rocks erode  **7.** the process where rocks are worn down by wind or water creating sediment  **8.** hard white mineral  **9.** freely moving atoms arranged in patterns cool down  **10.**  Measure of the resistance of a mineral to scratching  **11.** When magma or lava cools and crystallizes  **14.** series of events where rocks can form from another type to another over time  **17.** the upper layer where plants grow  **18.** hot liquid material below or within the earths wich lava is made |