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

Rocks and minerals

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