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

Geologic Time and Earth's History

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|  |  |  |  |  |  |  |  | 1  H |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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|  |  |  |  |  |  |  |  | L |  |  |  |  |  |  |  |  |  |  |  | 2  R |  |  |  |  |  |  |  |  |  |
|  |  |  |  | 3  L | A | W | O | F | S | U | P | E | R | P | O | S | I | T | I | O | N |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  | L |  |  |  |  |  |  |  |  |  |  |  | C |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  | 4  R | E | I | A | T | I | V | E | A | G | E |  |  |  | K |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  | F |  |  |  |  |  |  |  |  |  |  |  | F |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  | E |  | 5  D | A | U | G | H | T | E | R | A | T | O | M |  |  |  |  |  |  | 6  O |  |
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|  |  |  |  |  |  |  |  |  |  | 10  T | R | A | C | E | F | O | S | S | I | L |  | 11  G |  |  |  |  |  | I |  |
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|  |  |  |  |  |  |  |  | 12  U | N | C | O | M | F | O | R | M | I | T | Y |  | 13  E | O | N |  |  |  |  | A |  |
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|  |  |  |  |  |  | 15  R | A | D | I | O | A | C | T | I | V | E | D | A | T | 16  I | N | G |  |  |  | R |  | E |  |
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|  |  |  |  |  | 18  P | 19  A | L | E | O | Z | O | I | C | E | R | A |  |  |  | D |  | C |  | P |  | 20  E | R | A |  |
|  |  |  |  |  |  | B |  |  |  |  |  |  |  | R |  |  |  |  |  | E |  | T |  | O |  | R |  | I |  |
|  |  |  |  | 21  M | E | S | O | Z | O | I | C | E | R | A |  | 22  K | T | E | X | X | I | I | C | C | I | I | N | N |  |
|  |  |  |  |  |  | O |  |  |  |  |  |  |  |  |  |  |  |  |  | F |  | M |  | H |  | N |  | S |  |
|  |  |  |  |  |  | L |  |  |  | 23  P | A | R | E | N | T | I | S | O | T | O | P | E |  |  |  | G |  |  |  |
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|  |  | 25  P | R | E | C | A | M | B | R | I | A | N | T | I | M | E |  |  |  | L |  | L |  |  |  |  |  |  |  |
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| **Across**  **3.** States that the oldest rocks will be at the bottom and will have formed first.  **4.** The age of something in relation to something else.  **5.** The product atom formed during radioactive decay in a nuclear reaction.  **10.** A fossil of a footprint rather than the animal itself.  **12.** A buried surface seperating two rock masses of different ages.  **13.** The largest section of geological time.  **15.** A technique used to date materials such as rocks or carbon.  **18.** The extinction of dinosaurs happened within this era.  **20.** A span of time defined by large events.  **21.** The era when dinosaurs were alive.  **22.** A global extinction that causes at least 80% of a species to die.  **23.** The isotope that undergoes radioactive decay in a nuclear reaction.  **24.** A core sample typically removed from an ice sheet.  **25.** The earliest period of Earth's history. | **Down**  **1.** the time taken for a radioactive isotope to fall to half of its original value.  **2.** A fossil found in rock that was created long after the animal of it died.  **6.** Unchanged fossil remains from extinct or dead animals.  **7.** One of the subdivisions on the geological time scale. Also a punctuation mark.  **8.** The remains or impression of a prehistoric organism.  **9.** A time when many species such as humans came to be.  **11.** A tool used to relate geological events to time. Geologists often use this.  **14.** Rings on a tree trunk representing a single year's growth with each line.  **16.** A fossil that is used for dating and correlating the strata in which it is found.  **17.** The second smallest division in geologic time.  **19.** Measurement of age in exact years. |