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

Sun-Earth-Moon

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| R | M | T | H | L | D | **R** | **E** | **M** | **M** | **U** | **S** | I | **T** | P | F | C | **R** | W | P | Y | X | B | U |
| **F** | **I** | **R** | **S** | **T** | **Q** | **U** | **A** | **R** | **T** | **E** | **R** | Z | **I** | P | J | M | **E** | Q | **M** | I | T | **E** | **E** |
| L | E | F | **W** | I | I | I | **D** | **E** | **T** | **L** | **I** | **T** | **D** | E | T | L | **T** | L | **O** | **L** | O | **R** | **S** |
| **L** | N | J | **A** | **R** | Q | A | K | B | B | J | S | O | **E** | W | S | T | **R** | B | **D** | **U** | M | **E** | **P** |
| **L** | L | Y | **X** | F | **E** | **E** | **D** | **I** | **T** | **W** | **O** | **L** | **S** | Q | M | I | **A** | R | **E** | **N** | X | **H** | **I** |
| **U** | **E** | Z | **I** | R | M | **V** | N | R | **T** | V | H | H | **N** | D | A | **I** | **U** | X | **L** | **A** | L | **P** | **L** |
| **P** | **R** | K | **N** | Z | L | D | **O** | B | G | **N** | R | K | V | **O** | **L** | H | **Q** | G | Y | **R** | **N** | **S** | **C** |
| **L** | **E** | C | **G** | P | C | F | O | **L** | E | H | **E** | U | M | **L** | **O** | Z | **D** | A | Z | **E** | **O** | **I** | **E** |
| **A** | **H** | O | **C** | I | Y | V | E | J | **U** | T | M | **S** | **U** | Q | D | **M** | **R** | M | X | **C** | **I** | **M** | Y |
| **N** | **P** | B | **R** | **R** | **E** | **T** | **N** | **I** | **W** | **T** | U | **M** | **E** | B | G | V | **I** | K | Z | **L** | **T** | **E** | V |
| **O** | **S** | S | **E** | **N** | **A** | X | W | F | P | G | **I** | F | Q | **R** | A | M | **H** | U | J | **I** | **A** | **H** | A |
| **I** | **I** | Y | **S** | **U** | **R** | D | Y | T | P | **N** | P | **O** | W | U | **C** | N | **T** | Q | N | **P** | **T** | **N** | A |
| **T** | **M** | T | **E** | **S** | **T** | E | V | W | **A** | X | F | X | **N** | B | E | **G** | P | C | I | **S** | **N** | **R** | U |
| **A** | **E** | Q | **N** | A | **H** | S | O | **T** | **H** | **I** | **G** | **H** | **T** | **I** | **D** | **E** | **N** | M | W | **E** | **E** | **E** | V |
| **T** | **H** | G | **T** | Z | P | B | **I** | Y | Y | K | **Y** | X | F | O | U | H | T | **I** | Y | E | **I** | **H** | W |
| **I** | **N** | Z | P | C | G | **O** | **R** | **U** | **O** | **H** | **A** | Y | J | G | F | R | U | F | **N** | X | **R** | **T** | B |
| **V** | **R** | S | O | W | **N** | F | R | P | P | F | **D** | V | M | K | I | H | F | L | U | **A** | **O** | **U** | **C** |
| **A** | **E** | S | F | E | V | T | N | **Y** | **G** | **R** | **E** | **N** | **E** | **R** | **A** | **L** | **O** | **S** | K | X | **W** | **O** | **O** |
| **R** | **H** | **T** | I | J | M | H | L | D | **E** | **S** | **P** | **I** | **L** | **C** | **E** | **R** | **A** | **L** | **O** | **S** | K | **S** | **N** |
| **G** | **T** | Q | **I** | E | **R** | **O** | **T** | **A** | **T** | **I** | **O** | **N** | D | **F** | **U** | **L** | **L** | **M** | **O** | **O** | **N** | M | **S** |
| I | **R** | T | G | **B** | N | **P** | **O** | **L** | **E** | **S** | D | F | H | **S** | **I** | **X** | **A** | E | Y | H | H | Q | **T** |
| I | **O** | D | D | **O** | **R** | **B** | **I** | **T** | **A** | **L** | **P** | **L** | **A** | **N** | **E** | R | F | A | S | G | M | Y | **A** |
| S | **N** | C | C | P | J | **O** | F | O | **W** | **A** | **X** | **I** | **N** | **G** | **G** | **I** | **B** | **B** | **O** | **U** | **S** | Z | **N** |
| F | L | B | V | X | **N** | **I** | **G** | **H** | **T** | T | S | **E** | **Q** | **U** | **A** | **T** | **O** | **R** | Q | A | R | G | **T** |

   waning cresent       third quarter       waxing gibbous       full moon       first quarter       waxing cresent       illumination       lunar eclipse       solar eclipse       eclipse       high tide       low tide       gravitationalpull       tides       summer       winter       southernhemisphere       northern hemisphere       poles       equator       solarenergy       orientation       orbitalplane       constant       revolution       hour       night       day       tilted       axis       rotation       orbit       sun       moon       earth       model