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

Rare Earth Metals

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

   cerium       Dysprosium       europium       Gadolinium       holmium       Neodymium       Praseodymium       samarium       Scandium       terbium