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

The Atom

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

   nuclear model       atomic number       nucleons       neutrons       electrons       protons       nuclear binding energy       atomic mass       mass number       isotopes