Atoms, Elements, and Sub-Atomic Particles

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

   Atom       Proton       Neutron       Electron       Nucleus       Democritus       Dalton       Thomson       Rutherford       Bohr       Heisenburg       Plum-Pudding Model       Bohr Model       Octet Rule