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

Unit 3: Atomic Theory and Electrons in Atoms

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

   saul will pass       atomic number       mass number       solar system       plum pudding       solid sphere       chadwick       bohr       rutherford       thompson       dalton       isotope       frequency       energy       wavelength       lewis dot structure       valence electrons       ring       shell       electron       neutron       proton       atom       nucleus        electron configuration