

Chapter 4 Atomic Structure**WordWise**

Solve the clues to determine which vocabulary terms from Chapter 4 are hidden in the puzzle. Then find and circle the terms in the puzzle. The terms may occur vertically, horizontally, or diagonally.

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| e | m | a | s | s | n | u | m | b | e | r | u | n |
| n | l | o | r | b | i | t | a | l | x | a | p | i |
| r | e | e | n | l | t | p | t | s | p | b | k | s |
| g | n | a | c | a | s | r | d | c | r | h | l | o |
| b | e | l | d | t | g | o | f | l | s | g | a | t |
| l | r | t | s | o | r | t | g | r | n | b | t | o |
| n | g | z | b | m | o | o | p | l | q | d | c | p |
| p | y | q | p | i | u | n | n | m | a | s | s | e |
| s | l | n | m | c | n | n | u | c | l | e | u | s |
| t | e | u | e | n | d | r | i | o | l | k | m | r |
| r | v | c | l | u | s | v | a | b | t | o | p | k |
| z | e | l | x | m | t | w | e | s | r | n | u | e |
| p | l | e | m | b | a | r | l | e | t | a | b | d |
| b | s | a | q | e | t | z | o | c | m | r | n | k |
| r | t | s | i | r | e | h | j | n | s | f | l | t |

Clues

Dense, positively charged mass in the center of an atom

Positively charged subatomic particle found in the nucleus

Neutral subatomic particle found in the nucleus

Number of protons in an atom of an element

Sum of the protons and neutrons in the nucleus of an atom

Atoms of the same element having different numbers of neutrons

Possible energies that electrons in an atom can have

Visual model of the most likely locations for electrons in an atom

Region of space where an electron is likely to be found

Term for an atom whose electrons have the lowest possible energies

Hidden Words
