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Unit 6 (based on Chapter 5 - Ions)

Name _____

Date _____

Homework

Instructions: Complete the puzzle. Use the clues to help you find and circle the terms hidden in the puzzle.

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

Clues:

1. an ion that has a positive charge
2. an atom, radical, or molecule that has gained or lost one or more electrons and has a negative or positive charge
3. an ion that has a negative charge
4. an ionic compound that forms when a metal atom or a positive radical replaces the hydrogen of an acid
5. the regular pattern in which a crystal is arranged
6. a concept of chemical bonding theory that is based on the assumption that atoms tend to have either empty or full valence shells
7. the smallest portion of a crystal lattice that shows the three-dimensional pattern of the entire lattice
8. an ion made of two or more atoms
9. the energy associated with constructing a crystal lattice relative to the energy of all constituent atoms separated by infinite distances