

Name: _____ Date: _____ Period: _____

periodic table

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

alkaline earth metals
transition metals
cnalcogens
pictogens
halogens
periods

Antoine lavoisier
alkali metals
Mendeleev
families
newland

valence electrons
noble gases
nonmetals
orbitals
Moseley