

Name: _____

Date: _____

Periodic Trends, Element Classification, and Physical States

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

inner transition metals
transition metals
nuclear charge
noble gases
ionic size
halogens
metals

representative elements
electronegativity
alkali metals
atomic size
nonmetals
plasma
solid

alkaline earth metals
ionization energy
radioactive
metalloids
shielding
liquid
gas