

Name: \_\_\_\_\_

Date: \_\_\_\_\_

# atomic structure

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

alkaline earth metals  
lanthanides  
potassium  
mercury  
silver  
proton  
gold

electron cloud  
noble gases  
actinides  
nucleus  
copper  
group  
zero

alkali metals  
mass number  
halogens  
valence  
stable  
lead  
atom

energy level  
reactivity  
electron  
neutron  
period  
iron