

# "QUICKIE QUIZ" I MODELING ATOMS, IONS, AND ISOTOPES

Group or Student Name \_\_\_\_\_

1. How is hydrogen different from all the other elements? \_\_\_\_\_  
\_\_\_\_\_
2. Explain why hydrogen is the lightest of all the elements. \_\_\_\_\_  
\_\_\_\_\_
3. What does ATOMIC NUMBER refer to? \_\_\_\_\_  
\_\_\_\_\_
4. Describe how to find the ATOMIC MASS NUMBER of an atom of an element. \_\_\_\_\_  
\_\_\_\_\_
5. How is an atom of carbon different from an atom of lithium? \_\_\_\_\_  
\_\_\_\_\_
6. How many electrons can the K shell of an atom hold? \_\_\_\_\_  
How many electrons can the L shell hold? \_\_\_\_\_
7. If you took away a proton from a carbon atom, would you still have a carbon atom? \_\_\_\_\_  
Why or why not? \_\_\_\_\_  
\_\_\_\_\_
8. Neon is a noble gas and chemically inert. The L shell of neon makes it special. Why?  
\_\_\_\_\_  
\_\_\_\_\_
9. Define what the word ION means. \_\_\_\_\_  
\_\_\_\_\_
10. An atom has an atomic number of 6 and an atomic mass number of 12. Would it be an isotope?  
\_\_\_\_\_ Explain why it would or would not be an isotope. \_\_\_\_\_  
\_\_\_\_\_

BONUS POINTS (worth \_\_\_\_\_ points):

In the space provided make a drawing  
of what you think a negative ion of  
oxygen would look like.