

NAME: _____

CHEMICAL BONDING PRACTICE QUIZ

1. USE YOUR PERIODIC TABLE TO DRAW AN ATOM OF OXYGEN

PROTONS _____

NEUTRONS _____

ELECTRONS _____

2. HOW MANY VALENCE ELECTRONS DOES OXYGEN HAVE? _____

3. IS OXYGEN STABLE? _____

4. TO BECOME STABLE, OXYGEN COULD GAIN _____ ELECTRONS OR LOSE _____ ELECTRONS.

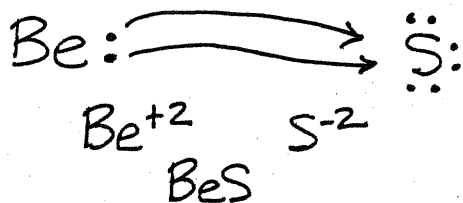
5. REFER TO #4. WHICH CHOICE IS EASIER FOR OXYGEN? _____

6. DRAW A DOT DIAGRAM FOR OXYGEN.. _____

7. IF OXYGEN GAINS 2 MORE ELECTRONS IT BECOMES MORE _____ BY _____.

8. WRITE THE ION FOR OXYGEN. _____

9. USE THE DRAWING BELOW TO ANSWER THE QUESTIONS THAT FOLLOW.



a. WHAT TYPE OF BOND IS THIS? IONIC OR COVALENT

b. EXPLAIN WHAT IS HAPPENING IN THE PICTURE. _____

10. USE YOUR PERIODIC TABLE TO DRAW AN ATOM OF LITHIUM .

PROTONS _____

NEUTRONS _____

ELECTRONS _____

11. HOW MANY VALENCE ELECTRONS DOES LITHIUM HAVE? _____

12. IS LITHIUM STABLE? _____

13. TO BECOME STABLE, LITHIUM CAN GAIN _____ ELECTRONS OR LOSE _____ ELECTRONS.

14. REFER TO #13. WHICH CHOICE IS EASIER FOR LITHIUM? _____

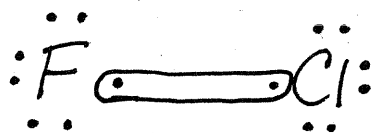
15. DRAW A DOT DIAGRAM OF LITHIUM _____

16. IF LITHIUM LOSES 1 ELECTRON IT BECOMES MORE _____ BY _____.

17. WRITE THE ION FOR LITHIUM . _____

18. IF ONE ATOM WANTS TO SHARE ELECTRONS WITH LITHIUM , A _____ BOND WILL BE FORMED .

19. USE THE DRAWING BELOW TO ANSWER THE QUESTIONS THAT FOLLOW.



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a. WHAT TYPE OF BOND IS THIS? IONIC OR COVALENT?

b. EXPLAIN WHAT IS HAPPENING IN THIS PICTURE? _____

20. WHAT DO WE CALL TWO OR MORE ATOMS THAT ARE COVALENTLY BONDED? _____ AN EXAMPLE IS _____