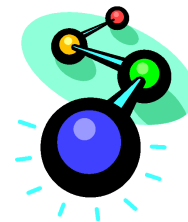


Name: _____ Date: _____
Chemistry

Worksheet



Chemical Bonding

Directions: Describe the following terms.

electronegativity –

octet rule –

oxidation number –

chemical bond –

ionic bond –

covalent bond –

polar bond –

Directions: Tell whether the following elements will **GAIN** or **LOSE** electrons.

_____ 8. S _____ 9. F _____ 10. Na _____ 11. Ar

_____ 12. Ca _____ 13. N _____ 14. O _____ 15. H

Directions: Determine the possible **charge** of each of the following elements.

_____ 16. S _____ 17. F _____ 18. Na _____ 19. Ar

_____ 20. Ca _____ 21. N _____ 22. O _____ 23. H

Directions: Determine the possible **bonds** of each of the following elements.

_____ 24. S _____ 25. F _____ 26. Na _____ 27. Ar

_____ 28. Ca _____ 29. N _____ 30. O _____ 31. H

**"Knowing is not enough; we must apply. Willing is not enough; we must do."
- Johann Wolfgang von Goethe**