

Name \_\_\_\_\_  
AP Chapter 8 Bonding



In this activity we will learn how to draw Lewis structures, calculate formal charge and examine resonance. We will also observe the Octet rule and exceptions to this rule.

### AP Chem. Lewis Dot Structure Worksheet

**Write Lewis Dot Structures and calculate the formal charges for the following compounds:**

- |                              |                                     |
|------------------------------|-------------------------------------|
| 1. $\text{SO}_2$             | 18. $\text{H}_2\text{O}_2$          |
| 2. $\text{CO}_3^{2-}$        | 19. $\text{C}_2\text{H}_6$          |
| 3. $\text{NH}_3$             | 20. $\text{CH}_3\text{OH}$          |
| 4. $\text{CH}_4$             | 21. $\text{C}_2\text{H}_4$          |
| 5. $\text{H}_2$              | 22. $\text{C}_4\text{H}_{10}$       |
| 6. $\text{HF}$               | 23. $\text{C}_2\text{H}_5\text{OH}$ |
| 7. $\text{H}_2\text{O}$      | 24. $\text{ClO}^-$                  |
| 8. $\text{N}_2$              | 25. $\text{H}_2\text{S}_2$          |
| 9. $\text{HCl}$              | 26. $\text{HNO}_3$                  |
| 10. $\text{H}_2\text{S}$     | 27. $\text{H}_2\text{SO}_4$         |
| 11. $\text{PF}_3$            | 28. $\text{CH}_3\text{NO}_2$        |
| 12. $\text{CH}_3\text{COOH}$ | 29. $\text{C}_2\text{H}_2$          |
| 13. $\text{NH}_4^+$          | 30. $\text{ClO}_2^-$                |
| 14. $\text{NO}_2^-$          | 31. $\text{PO}_4^{3-}$              |
| 15. $\text{SO}_4^{2-}$       | 32. $\text{CO}$                     |
| 16. $\text{NO}_2^+$          | 33. $\text{CO}_2$                   |
| 17. $\text{OH}^-$            |                                     |

# Lewis Dot Structure Worksheet With Answers

**Christopher Harris, Patricia Harris,  
Ph.D.**



## **Lewis Dot Structure Worksheet With Answers:**

## Unveiling the Power of Verbal Artistry: An Psychological Sojourn through **Lewis Dot Structure Worksheet With Answers**

In a world inundated with displays and the cacophony of instantaneous communication, the profound energy and emotional resonance of verbal beauty usually fade into obscurity, eclipsed by the continuous barrage of sound and distractions. Yet, located within the musical pages of **Lewis Dot Structure Worksheet With Answers**, a interesting function of literary elegance that pulses with natural feelings, lies an wonderful journey waiting to be embarked upon. Written with a virtuoso wordsmith, that exciting opus books readers on a mental odyssey, lightly exposing the latent possible and profound influence embedded within the delicate internet of language. Within the heart-wrenching expanse with this evocative evaluation, we will embark upon an introspective exploration of the book is main themes, dissect their charming publishing design, and immerse ourselves in the indelible impact it leaves upon the depths of readers souls.

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