

**Answer Key**  
**Metallic Bonding and Reaction Types Studyguide**

1. A
  2. D
  3. C
  4. A
  5. A
  6. A
  7. A
  8. B
  9. Acceptable responses include, but are not limited to: • The reactants and products are different chemicals. • Bonds were broken and bonds were formed. • A gas was created.
  10. H<sub>2</sub>O.
  11. 3
  12. 3
  13. atoms
  14. Answer:      Zn(s) +  
  2   HCl(aq) →  
     H<sub>2</sub>(g) +       
ZnCl<sub>2</sub>(aq)
  15. C
  16. C
  17. A
  18. A
  19. B
  20. C
  21. 3.9 cm<sup>3</sup>
  22. *Examples:* – density –  
mass – volume
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