

2.1

CHEMICAL REACTIONS

Section Review

Objectives

1. Measure enthalpy using a calorimeter.
2. Identify and predict chemical reactions using phase diagrams.
3. Apply the law of conservation of energy to chemical reactions.

Vocabulary

- | | | |
|--------------------|---------------|----------------------|
| 1. endothermic | 2. exothermic | 3. enthalpy |
| 4. enthalpy change | 5. product | 6. chemical equation |

Part A Completion

Use the vocabulary words to identify a vocabulary word that matches each given description. Write the word in the space provided.

- | | |
|---|-----------|
| 1. A process that absorbs energy is called a(n) _____. | 1. _____ |
| 2. A process that releases energy is called a(n) _____. | 2. _____ |
| 3. The amount of energy in a system is called _____. | 3. _____ |
| 4. The change in energy of a system is called _____. | 4. _____ |
| 5. The change in energy of a system is called _____. | 5. _____ |
| 6. The change in energy of a system is called _____. | 6. _____ |
| 7. The change in energy of a system is called _____. | 7. _____ |
| 8. The change in energy of a system is called _____. | 8. _____ |
| 9. The change in energy of a system is called _____. | 9. _____ |
| 10. The change in energy of a system is called _____. | 10. _____ |
| 11. The change in energy of a system is called _____. | 11. _____ |
| 12. The change in energy of a system is called _____. | 12. _____ |
| 13. The change in energy of a system is called _____. | 13. _____ |
| 14. The change in energy of a system is called _____. | 14. _____ |
| 15. The change in energy of a system is called _____. | 15. _____ |
| 16. The change in energy of a system is called _____. | 16. _____ |
| 17. The change in energy of a system is called _____. | 17. _____ |
| 18. The change in energy of a system is called _____. | 18. _____ |
| 19. The change in energy of a system is called _____. | 19. _____ |
| 20. The change in energy of a system is called _____. | 20. _____ |

Part B True-False

Write true or false in the space provided. If false, write the correct answer in the space provided.

1. The change in energy of a system is called enthalpy. ☐
2. The change in energy of a system is called enthalpy. ☐
3. The change in energy of a system is called enthalpy. ☐
4. The change in energy of a system is called enthalpy. ☐
5. The change in energy of a system is called enthalpy. ☐
6. The change in energy of a system is called enthalpy. ☐
7. The change in energy of a system is called enthalpy. ☐
8. The change in energy of a system is called enthalpy. ☐
9. The change in energy of a system is called enthalpy. ☐
10. The change in energy of a system is called enthalpy. ☐
11. The change in energy of a system is called enthalpy. ☐
12. The change in energy of a system is called enthalpy. ☐
13. The change in energy of a system is called enthalpy. ☐
14. The change in energy of a system is called enthalpy. ☐
15. The change in energy of a system is called enthalpy. ☐
16. The change in energy of a system is called enthalpy. ☐
17. The change in energy of a system is called enthalpy. ☐
18. The change in energy of a system is called enthalpy. ☐
19. The change in energy of a system is called enthalpy. ☐
20. The change in energy of a system is called enthalpy. ☐

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