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#### Section Review 1.1

#### Part A Completion

- 1. mass 7. carbon
  2. space 8. organisms
  3. composition 9. Analytical Chemistry
  4. changes 10. physical chemistry
- 5. five 11. energy transfer
- 6. carbon 12. more than one

#### Part B True-False

13. NT 15. AT 17. AT 14. ST 16. ST

#### Part C Matching

18. f 21. d 24. c 19. i 22. h 25. a 20. b 23. g 26. c 27. i

#### Part D Questions and Problems

- 28. a. physical chemistry
  - b. analytical chemistry
  - c. biochemistry
  - d. organic chemistry

#### Section Review 1.2

#### Part A Completion

- 1. specific 6. productivity
  2. microscopic 7. crops
  3. energy 8. specific
  4. conserve 9. space
- batteries 10. chemical composition

#### Part B True-False

9. NT 11. AT 10. NT 12. AT

#### Part C Matching

13. d	15. c	17. 6
1.45. an	16. b	18. e

#### Part D Questions and Problems

- peoduction of chemicals such as insulin; replacement of a gene that is not working properly (gene therapy)
- Factors include poor soil quality, lack of water, weeds, plant diseases, and pests that eat crops.
- Data collected by the robotic vehicle Opportunity indicated that the landing site was once drenched in water.

#### Section Review 1.3

#### Part A Completion

1. achemists 6. scientific method 2. tools 7. hypothesis 3. techniques 8. experiment 4. measurement 9. theory 5. systematic 10. scientific law

#### Part B True-False

11. NT 13. ST 12. NT

#### Part C Matching

14. c 16. a 18. d 15. b 17. c 19. f

#### Part D Questions and Problems

a. observation d. observation
 b. hypothesis e. scientific law
 e. experiment

21. collaboration and communication

#### Section Review 1.4

#### Part A Completion

1. plan 7. calculate
2. implementing 8. evaluate
3. three 9. sense
4. analyze 10. unit
5. unknown 11. significant figures
6. plan

# **Spring Science Ogt Answer Key 2014**

**R Bogdan** 

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