

Answers**Matching**

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|------|------|-------|-------|
| 1. l | 5. o | 9. k | 13. h |
| 2. c | 6. e | 10. n | 14. m |
| 3. g | 7. i | 11. f | 15. d |
| 4. a | 8. b | 12. p | 16. j |

Fill in the Blank

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|-------------------------|---------------------------------|
| 1. water vapor | 7. troposphere |
| 2. nitrogen = 78% | 8. radiosonde |
| oxygen = 21% | 9. sun |
| water vapor = 0 to 4% | 10. density |
| carbon dioxide = 0.037% | 11. evaporation |
| 3. stratosphere | 12. 1013.25 mb, 29.92 in. |
| 4. inside the earth | 13. tropopause |
| 5. thermosphere | 14. 6.5°C/1000 m, 3.6°F/1000 ft |
| 6. water | 15. ionosphere |

Multiple Choice

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|------|------|-------|-------|
| 1. c | 5. b | 9. c | 13. b |
| 2. c | 6. b | 10. a | 14. a |
| 3. b | 7. c | 11. d | 15. e |
| 4. c | 8. a | 12. d | |

True-False

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|------|-------|-------|-------|
| 1. T | 6. T | 11. F | 16. F |
| 2. F | 7. F | 12. F | 17. T |
| 3. T | 8. F | 13. T | 18. T |
| 4. F | 9. T | 14. F | |
| 5. T | 10. F | 15. T | |

Problems and Additional Questions

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| 1. a. (a) troposphere | e. number 2 |
| (b) stratosphere | f. number 3 |
| (c) mesosphere | 2. a. A warm front is between number 2 and number 4. |
| (d) thermosphere | b. A cold front is between number 2 and number 3. |
| b. number 2 | |
| c. number 4 | |
| d. number 1 | |