

CHAPTER**2****Main Idea Activities 2.3****Earth in Space**

VOCABULARY Some terms to understand:

- **complex (34):** complicated
- **decayed (34):** rotten; decomposed
- **global (34):** worldwide
- **convert (34):** change; adapt; modify; alter
- **sustain (35):** support; nurture; nourish
- **glaciers (35):** large, slow-moving sheets or rivers of ice
- **essential (35):** necessary; important; fundamental; key
- **spawn (36):** reproduce; produce new life
- **resolve (36):** solve; untangle; come to a satisfactory conclusion

CLASSIFYING INFORMATION For each of the following, write the letter of the correct choice in the space provided. Answers may be used more than once.

- | | |
|--|-----------------------|
| _____ 1. Includes all life forms | a. atmosphere |
| _____ 2. All of Earth's water | b. lithosphere |
| _____ 3. Solid crust of Earth | c. hydrosphere |
| _____ 4. Envelope of gases that surrounds Earth | d. biosphere |
| _____ 5. Overlaps the other three spheres | |
| _____ 6. Protects Earth from the Sun's harmful radiation | |
| _____ 7. Covers about 70 percent of Earth's surface | |
| _____ 8. Includes land and soil | |
| _____ 9. Found in liquid, solid, and gaseous forms | |
| _____ 10. Extends from deep ocean floors to high in the atmosphere | |
| _____ 11. Least dense and outermost sphere | |
| _____ 12. Forms Earth's continents, islands, and ocean floors | |

Chapter 2 Main Idea Activities 2.3, continued

EVALUATING INFORMATION Mark each statement *T* if it is true or *F* if it is false.

- _____ 1. The Earth system is a group of different parts that interact to form a whole.
- _____ 2. People are not considered part of the Earth system.
- _____ 3. The actions that people take affect every part of the Earth system.
- _____ 4. Each part of the Earth system is called a “sphere” because it occupies a shell around Earth.
- _____ 5. The atmosphere is held around Earth by the planet’s gravity.
- _____ 6. Earth’s atmosphere contains about 78 percent oxygen and 21 percent nitrogen.
- _____ 7. Solid water, or ice, is found on both land and sea.
- _____ 8. Large amounts of ice are locked up in glaciers in the tropics.
- _____ 9. All of the planets in the solar system have large amounts of surface water.
- _____ 10. The biosphere includes all plants and animals.
- _____ 11. The environment includes all the biological, chemical, and physical conditions that interact and affect life.
- _____ 12. The planet Mars has the most complex environment in our solar system.
- _____ 13. No planets outside our solar system have been found.
- _____ 14. Individuals and groups can affect decision making on environment issues by lobbying, making legal challenges to planned developments, or trying to force a vote on the issue.

SECTION 3 ACTIVITIES

Classifying Information

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

Evaluating Information

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

CHAPTER 3

SECTION 1 ACTIVITIES

Evaluating Information

- | | |
|------|-------|
| 1. F | 7. F |
| 2. T | 8. T |
| 3. T | 9. T |
| 4. F | 10. T |
| 5. T | 11. F |
| 6. T | 12. T |

Reviewing Facts

1. weather
2. climate
3. temperature
4. greenhouse effect
5. Global warming
6. cyclones
7. prevailing
8. doldrums
9. front

Understanding Main Ideas

1. b
2. a

SECTION 2 ACTIVITIES

Organizing Information

Condensation—clouds, dew, fog, frost;
Precipitation—rain, snow, sleet, hail

Evaluating Information

- | | |
|------|------|
| 1. T | 4. F |
| 2. T | 5. T |
| 3. T | 6. F |

- | | |
|-------|-------|
| 7. F | 11. T |
| 8. T | 12. T |
| 9. T | 13. F |
| 10. F | 14. F |

Understanding Main Ideas

- | | |
|------|------|
| 1. d | 3. a |
| 2. c | 4. d |

SECTION 3 ACTIVITIES

Classifying Information

- | | |
|------|-------|
| 1. l | 7. c |
| 2. f | 8. i |
| 3. d | 9. k |
| 4. h | 10. g |
| 5. j | 11. a |
| 6. e | 12. b |

Reviewing Facts

1. ecosystem
2. monsoon
3. savanna
4. arid
5. deciduous
6. coniferous

Evaluating Information

- | | |
|------|-------|
| 1. T | 6. F |
| 2. F | 7. T |
| 3. T | 8. F |
| 4. T | 9. T |
| 5. F | 10. F |

CHAPTER 4

SECTION 1 ACTIVITIES

Evaluating Information

- | | |
|------|-------|
| 1. F | 7. T |
| 2. F | 8. F |
| 3. T | 9. T |
| 4. T | 10. T |
| 5. F | 11. F |
| 6. T | 12. F |

Reviewing Facts

1. mantle
2. plate tectonics
3. sediment
4. plateau
5. alluvial fan
6. delta