ACTIVITY ANSWER KEY

Chapter 5, Section 1

Check your answers from the Answer Key.
Correct all errors, then complete your next goal.

Lesson 1: *Meteorology*

The Weather

1. jobs, recreational
2. atmosphere
3. (any order) humidity, precipitation, pressure
4. cycles
5. (a) True
6. _e_ basis of weather
7. _a_ tropical regions
8. _b_ polar regions
9. _c_ moving of air masses
10. _d_ when air is heated
11. Observation
12. (c) weather and atmospheric conditions
13. (b) They are used to study conditions in the upper atmosphere
14. (c) To bounce them off objects
15. (d) satellites
16. (d) unpredictable weather
17. *"The Sun is always shining above the storms of life to give us the rainbow—a promise of better times ahead."*
18. Manila
19. Regina
20. (any order) Manila, Darwin, Bangkok
21. (b) between 40 and 60 degrees

Lesson 2: *Meteorology*

Hot and Humid

1. (a) Fahrenheit
   (b) Celsius, centigrade
   (c) Kelvin, absolute
2. (b) 59ºF
3. (a) True
4. (any order) elevation, time of day
5. (any order) tropical, temperate, polar
6. temperatures
7. _c_ warmest region
8. _a_ includes most of the United States
9. _b_ coldest region
10. (b) False
11. latitudes
12. (c) the Sun
13. (b) water vapor
14. condensation
15. (c) the water cycle
16. (a) humidity
17. Temperature
18. dew point
19. (c) hot/humid
20. *"Contentment does not come from possessions—rather from within."*
21. 102
22. 92
23. Day 3

Lesson 3: *Meteorology*

Rainy Days

1. (a) True
2. (b) False
3. (b) False
4. Cumulus
5. Nimbus
6. Cirrus
7. Stratus
8. rain (or storm)
9. (c) coalescence
10. (a) They fall out of the clouds as precipitation.
11. thunderstorms

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12. cumulus (or cumulo-nimbus)
13. layers
14. (b) False
15. Snow
16. (b) False
17. thunder
18. (d) rainy weather
19. *"Into each life some rain must fall."*
20. San Diego
21. Chicago
22. Dallas
23. (a) between one and two inches



Lesson* 4: *Meteorology

Wind and Pressure

1. (a) True
2. (a) from the north
3. (b) Earth's surface over which it forms
4. _b_ ***moist***
5. _d_ cold
6. _a_ dry
7. _c_ warm
8. patterns, unequal heating
9. (a) north to south, south to north
10. (a) True
11. (a) move over the surface of the Earth
12. front
13. Meteorology
14. (b) False
15. (b) air pressure
16. (a) True
17. decreases
18. decreases
19. increases
20. (a) Yes
21. (a) True
22. cold
23. (c) barometer
24. trade winds
25. (d) many ships were stranded for long periods due to little or no wind to fill their sails
26. (a) True
27. *"If one does not know to which port one is sailing, no wind is favorable."*
28. (a) ceiling
29. (c) warm air rises



Lesson* 5: *Geology

The Mountains

1. air masses, precipitation
2. (a) on the side where the air is rising (windward side)
3. (c) its height
4. (a) similar shape and structure
5. geologists
6. movement
7. (a) True
8. fault-block
9. folded
10. Mt. Everest, Himalayas
11. Mt. McKinley
12. (c) volcanic
13. volcanic
14. (c) volcanic
15. dome
16. Mount St. Helens
17. Mount McKinley (Denali)
18. (any order) Mount Rainier, Mount St. Helens
19. Grand Teton
20. (c) North America, United States
21. (b) The mountains are listed according to height, in order of tallest to shortest.
22. (d) bear
23. *"Wisdom is not to make mountains out of molehills."*
24. (d) between 8,800 and 8,900 meters
25. (d) Makalu
26. the Himalayas
27. (c) Mount Godwin Austen and Kanchenjunga
28. (b) the fault-block mountain
29. (c) Your sample is too small. You need to include the heights of more volcanic mountains and more fault-block mountains.

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