ACTIVITY ANSWER KEY

Chapter 4, Section 2

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



Lesson 6: *Astronomy*

Life on Earth

1. Candy, Princess, Uno
2. complex, building
3. cell
4. (a) True
5. (b) It is essential for growth and tissue repair.
6. (a) True
7. tissues, systems, organisms
8. (b) watching the birth process
9. (c) empirical data
10. (a) True
11. plan, purpose
12. (a) the Theory of Evolution
13. Charles Darwin, Evolution
14. favorable, unfavorable
15. (b) False
16. Heredity
17. macro
18. (b) law
19. Heredity
20. (b) a cat giving birth to kittens
21. Biogenesis
22. (a) identifying the parents of an offspring
23. fossil record
24. (c) discovering the ancient remains of a dinosaur
25. Thermodynamics, Entropy
26. (d) a bike rusting in the backyard
27. organisms, variations
28. evolution
29. (c) you and Michael were using the computer
30. *"Seeing, hearing, feeling are miracles, and each part and tag of me is a miracle."*



Lesson 7: *Astronomy*

Mars

1. (a) True
2. (c) seasonal color changes
3. (d) streaks of dust
4. (b) Canals were built to carry water from wet regions to dry regions.
5. H. G. Wells and Edgar Rice Burroughs
6. (a) True
7. (d) the presence of impact craters on Mars like those on Earth's Moon
8. (c) organic
9. (a) somewhat colder
10. (a) The carbon dioxide vaporizes.
11. fourth
12. (d) its tilt on its axis
13. 687, six
14. 6,788 km
15. Mars
16. (a) one-half
17. Mars
18. Mars
19. (b) iron oxide in the rocks
20. (c) the way it revolves
21. ozone
22. (a) True
23. (b) irritated
24. (c) delayed
25. *"Being sincere isn't enough—you can be sincerely wrong."*



Lesson 8: *Physics*

Everything is Moving

1. gravity
2. (c) mass and distance
3. (b) False

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4. (a) They are composed mainly of gases and are less dense.
5. Earth
6. Jupiter
7. Jupiter
8. Pluto
9. 3.94 (g/cm3)
10. Mercury, Mars
11. (c) Their attractions are balanced.
12. Isaac Newton
13. (a) True
14. (a) apply force
15. (b) a ball bouncing off the wall
16. (b) a train traveling at 50 mph
17. friction
18. (a) True
19. (c) slows them down
20. (c) there is no air and the gravitational attraction is balanced
21. (a) True
22. (d) relative motion
23. (d) Practice Makes Perfect
24. *"If I have seen farther than others, it is by standing upon the shoulders of giants."*



Lesson* 9: *Astronomy
Jupiter

1. (c) they revolve around the Sun
2. (b) elliptical
3. (d) composition
4. Mercury, Venus, Earth, Mars
5. Jupiter, Saturn, Uranus, Neptune
6. SUN
7. Pluto
8. (d) neither
9. fifth, largest
10. 142,796 km
11. Jupiter
12. Earth
13. 11.86 years
14. Jupiter
15. (b) False
16. (c) It causes Jupiter to be a planet, not a star.
17. (b) stripes of different colors
18. (a) swirling gas
19. (b) an atmospheric storm
20. Galileo
21. (c) four moons
22. God
23. (b) Copernicus
24. Copernicus
25. (d) the Galilean moons
26. (b) It has active volcanoes.
27. (wording may vary) He wanted a good dog for duck hunting.
28. *"Every cubic inch of space is a miracle."*



Lesson* 10: *Astronomy
Saturn

1. (a) rings
2. (b) False
3. Galileo
4. (a) True
5. (b) small chunks of frozen material
6. (a) True
7. (a) True
8. (b) least dense
9. (c) Saturn is a Styrofoam ball and Earth is a marble.
10. moons
11. Titan
12. (d) hydrogen and helium
13. (b) strong
14. beautiful
15. (c) things are not always as they seem
16. *"Outward beauty can be deceiving."*
17. 120,660 km
18. Saturn
19. 10 hours, 39 minutes
20. Earth
21. Earth
22. Earth
23. 9.64 km/s

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