

WiB Workbook Key

WiB Worksheet 1.1

1. Dualism
2. Empirical Science
3. Bacon
4. Materialism
5. Bacon's 1st Experiment
6. Historical Science
7. H
8. J
9. I
10. A
11. C
12. K
13. B
14. E
15. G
16. D
17. F

WiB Worksheet 1.2

1. Manipulated Variable – Type of Music Played
Responding Variable – Hamster Running Speed
2. Manipulated Variable – Type of Bubble Gum
Responding Variable – Bubble Size
3. Manipulated Variable – Type of Material Used
Responding Variable – Number of Pennies Kept Afloat
4. Manipulated Variable – Number of Mentos Added
Responding Variable – Height of Geyser
5. Manipulated Variable – Presence of Mosquito Repellant
Responding Variable – Number of Mosquito Bites
6. Manipulated Variable – Steroid Administration
Responding Variable – Pig Weight

WiB Worksheet 1.3

1. B
2. C
3. A
4. C
5. D
6. B
7. C
8. D
9. B
10. B

WiB Worksheet 1.4

1. Philosophy
2. 1500's
3. Experiments
4. Empirical
5. Chicken
6. Experiment
7. Observation
8. Manipulated
9. Responding
10. Empirical

WiB Worksheet 2.1

1. Dualism
2. Dualism
3. Inference
4. Materialism
5. Changeable
6. Empirical Science
7. I
8. E
9. C
10. L
11. B
12. K
13. J
14. H
15. G
16. F
17. D
18. A

WiB Worksheet 2.2

1. C
2. B
3. A
4. D
5. A
6. A
7. Manipulated Variable – Face Submersion
Responding Variable – Heart Rate
8. Manipulated Variable – Energy Drink
Consumption
Responding Variable – Heart Rate
9. Manipulated Variable – Exercise
Responding Variable – Heart Rate

WiB Worksheet 2.3

1. C
2. C
3. D
4. B
5. B
6. A
7. D
8. C
9. C
10. A

WiB Worksheet 2.4

1. Structures
2. Galen
3. Cadavers
4. Human Body
5. Israel
6. Circulatory System
7. Circulates
8. Galen
9. Empirical
10. Physiology

WiB Worksheet 3.1

1. Pulmonary
2. Vivisection
3. Physiology
4. Pulmonary Circuit
5. Anatomy
6. Cadaver
7. J
8. A
9. H
10. C
11. F
12. E
13. D
14. G
15. B
16. I

WiB Worksheet 3.2

1. D
2. B
3. A
4. D
5. A
6. B
7. Microscope
8. Telescope
9. Telescope
10. Microscope
11. Microscope
12. Telescope
13. Microscope
14. Telescope
15. Telescope

WiB Worksheet 3.3

1. D
2. B
3. A
4. C
5. A
6. B
7. B
8. A
9. B
10. A

WiB Worksheet 3.4

1. Animalcules
2. Lens
3. 270
4. Blood Cells
5. 90
6. Hand Washing
7. Cadavers
8. 'Cadaverous Particles'
9. Sepsis
10. Germ Theory

WiB Worksheet 4.1

1. Semmelweis
2. Semmelweis
3. Bacon
4. Protist
5. Microbiology
6. Leeuwenhoek
7. Vesalius
8. Bacteria
9. Harvey
10. C
11. F
12. A
13. G
14. I
15. B
16. E
17. H
18. J
19. D

WiB Worksheet 4.2

1. Manipulated Variable – Injection of Weakened Anthrax
Responding Variable – Sheep Survival
2. Manipulated Variable – Temperatures and Times Heated
Responding Variable – Milk Spoilage
3. Manipulated Variable – Pig Vaccination
Responding Variable – Becoming sick with Erysipelas
4. Manipulated Variable – Presence of Yeast
Responding Variable – Fermentation
5. Manipulated Variable – Presence of Infected Worms
Responding Variable – Spread of Silkworm Disease
6. Manipulated Variable – Exposure to weak rabies virus
Responding Variable – Development of Real rabies

WiB Worksheet 4.3

1. C
2. B
3. B
4. B
5. B
6. B
7. C
8. C
9. B
10. A

WiB Worksheet 4.4

1. Effective
2. Virus
3. Immunity
4. 9 Year Old
5. Developed
6. Carbon Nanotubes
7. Bendable
8. Nanometers
9. Scaffolds
10. Materials

WiB Worksheet 5.1

1. Pasteur
2. Empirical Science
3. Spores
4. Primordial Soup
5. Medicine
6. Tour
7. Cadaver
8. Biology
9. Fungus
10. B
11. A
12. C
13. D
14. E
15. F
16. I
17. G
18. J
19. H

WiB Worksheet 5.2

1. 2° 3° 4° 5° Consumer
2. 2° 3° 4° Consumer
3. 2° Consumer
4. 1° 2° 3° Consumer
5. 2° Consumer
6. 1° Consumer
7. 1° Consumer
8. 1° Consumer
9. 1° Consumer
10. Producer
11. Producer
12. Producer
13. Producer
14. Producer

WiB Worksheet 5.3

1. C
2. B
3. C
4. C
5. B
6. B
7. B
8. C
9. C
10. A

WiB Worksheet 5.4

1. Philosopher
2. Intelligent Design
3. Evolution
4. Complexity
5. Darwinian
6. Attempt
7. Use and Disuse
8. Change
9. 'Biology'
10. Fixity of Species

WiB Worksheet 6.1

1. Paley
2. Ecology
3. Lamarck
4. Evolution
5. Empirical
6. Design
7. Abiogenesis
8. Succession
9. Historical
10. B
11. I
12. D
13. A
14. F
15. C
16. G
17. E
18. H

WiB Worksheet 6.2

1. Green Bug
2. Tall Plants
3. Thick Fur Wolves
4. Tall Giraffes
5. Deep Roots
6. Thick Shell Snail
7. Large Antler Deer
8. Dull Butterflies

WiB Worksheet 6.3

1. A
2. D
3. D
4. A
5. A
6. D
7. D
8. A
9. C
10. B

WiB Worksheet 6.4

1. Catastrophism
2. Evidence
3. Christian
4. Acknowledging
5. Creation
6. Evolution
7. Abandon
8. Honoring
9. Struggled
10. Reasoning

WiB Worksheet 7.1

1. Lyell
2. Natural Selection
3. Darwin
4. Uniformitarianism
5. Historical
6. Catastrophism
7. Pasteur
8. Empirical
9. Semmelweis
10. I
11. D
12. G
13. C
14. H
15. B
16. F
17. J
18. E
19. A

WiB Worksheet 7.2

1. Have A Nice Day Sign
2. Constructed Shed
3. Assembled Snap Beads
4. Assembled Nail Clipper
5. Assembled Puzzle
6. Card Pyramid
7. Solved Rubix Cube
8. Smiley Face
9. Carved Statue
10. Chain of Sugars

WiB Worksheet 7.3

1. C
2. A
3. B
4. A
5. B
6. A
7. C
8. D
9. D
10. C

WiB Worksheet 7.4

1. 28,000
2. Pea Plants
3. Pollen
4. Inheritance
5. Theistic
6. Specified Information
7. 4 Letter Code
8. Mind
9. Intelligent Designer
10. God

WiB Worksheet 8.1

1. Mendel
2. DNA
3. Meyer
4. Recessive
5. Specified
6. Dominant
7. Crick
8. Double Helix
9. Watson
10. E
11. C
12. J
13. K
14. I
15. H
16. D
17. B
18. F
19. A
20. G

WiB Worksheet 8.2

1. Stator
2. Secretory System
3. Inner Membrane
4. Outer Membrane
5. Rod
6. Hook
7. Bushing
8. Filament
9. B
10. A
11. B
12. C

WiB Worksheet 8.3

1. C
2. C
3. A
4. D
5. B
6. B
7. B
8. A
9. C
10. B

WiB Worksheet 8.4

1. Cell Theory
2. Universal Patterns
3. Pepsin
4. Frogs & Pigs
5. Purposeful
6. Irreducible Complexity
7. Mouse Trap
8. Bacterial Flagellum
9. Evolved
10. Darwinism