2023-2024 Gr7 Science Benchmark Unit 2

Answer Key

Question 1. C – 1 Point

Standards

MS-LS1-1
Conduct an investigation to provide evidence that living things are made of cells; either one cell or many different numbers and types of cells.

Question 2. A – 1 Point | B – 0 Point | C – 0 Point | D – 1 Point | E – 1 Point

Standards

MS-LS1-2
Develop and use a model to describe the function of a cell as a whole and ways parts of cells contribute to the function.

Question 3. C – 1 Point

Standards

MS-LS1-3
Use argument supported by evidence for how the body is a system of interacting subsystems composed of groups of cells.

Question 4.

Response 1: O – 5 Points

Response 2: O – 2 Points

Standards

MS-LS1-8
Gather and synthesize information that sensory receptors respond to stimuli by sending messages to the brain for immediate behavior or storage as memories.

Question 5. C – 1 Point

Standards

MS-LS1-8
Gather and synthesize information that sensory receptors respond to stimuli by sending messages to the brain for immediate behavior or storage as memories.

Question 6. B – 1 Point

Standards

MS-LS1-2
Develop and use a model to describe the function of a cell as a whole and ways parts of cells contribute to the function.

Question 7. O – 4 Points

Standards

MS-LS1-3
Use argument supported by evidence for how the body is a system of interacting subsystems composed of groups of cells.

Question 8. C – 1 Point

Standards

MS-LS1-8
Gather and synthesize information that sensory receptors respond to stimuli by sending messages to the brain for immediate behavior or storage as memories.

Question 9.

Response 1: muscular – 1 Point | skeletal – 1 Point

Response 2: skeletal – 1 Point | muscular – 1 Point

Standards

MS-LS1-3

Use argument supported by evidence for how the body is a system of interacting subsystems composed of groups of cells.

Question 10. B – 1 Point

Standards

MS-LS1-1

Conduct an investigation to provide evidence that living things are made of cells; either one cell or many different numbers and types of cells.

Question 11. A – 1 Point

Standards

MS-LS1-2

Develop and use a model to describe the function of a cell as a whole and ways parts of cells contribute to the function.

Question 12. O – 1 Point

Standards

MS-LS1-2

Develop and use a model to describe the function of a cell as a whole and ways parts of cells contribute to the function.

Question 13. A – 1 Point

Standards

MS-LS1-3

Use argument supported by evidence for how the body is a system of interacting subsystems composed of groups of cells.

Question 14. A – 1 Point

Standards

MS-LS1-3

Use argument supported by evidence for how the body is a system of interacting subsystems composed of groups of cells.

Question 15. E – 1 Point

Standards

MS-LS1-8

Gather and synthesize information that sensory receptors respond to stimuli by sending messages to the brain for immediate behavior or storage as memories.

Question 16. D – 1 Point

Standards

MS-LS1-8

Gather and synthesize information that sensory receptors respond to stimuli by sending messages to the brain for immediate behavior or storage as memories.

Question 17. D - 1 Point

Standards

MS-LS1-1
Conduct an investigation to provide evidence that living things are made of cells; either one cell or many different numbers and types of cells.

Question 18. cells - 1 Point | cell - 1 Point

Standards

MS-LS1-1
Conduct an investigation to provide evidence that living things are made of cells; either one cell or many different numbers and types of cells.

Question 19. D;E - 1 Point

Standards

MS-LS1-2
Develop and use a model to describe the function of a cell as a whole and ways parts of cells contribute to the function.

Question 20.

Response 1: C - 1 Point

Response 2: A - 1 Point

Standards

MS-LS1-3
Use argument supported by evidence for how the body is a system of interacting subsystems composed of groups of cells.

Question 21. D - 1 Point

Standards

MS-PS1-4
Develop a model that predicts and describes changes in particle motion, temperature, and state of a pure substance when thermal energy is added or removed.

Question 22. B - 1 Point

Standards

MS-PS1-4
Develop a model that predicts and describes changes in particle motion, temperature, and state of a pure substance when thermal energy is added or removed.