2023-2024 Gr5 Science Benchmark Unit 1

Answer Key

Question 1. C - 1 Point

Standards

5-PS1-1
Develop a model to describe that matter is made of particles too small to be seen.

Question 2. B - 1 Point

Standards

5-PS1-1
Develop a model to describe that matter is made of particles too small to be seen.

Question 3. A - 1 Point

Standards

5-PS1-4
Conduct an investigation to determine whether the mixing of two or more substances results in new substances.

Question 4. A - 1 Point

Standards

5-PS1-4
Conduct an investigation to determine whether the mixing of two or more substances results in new substances.

Question 5. B - 1 Point

Standards

5-PS1-1
Develop a model to describe that matter is made of particles too small to be seen.

Question 6. A - 1 Point

Standards

5-PS1-1
Develop a model to describe that matter is made of particles too small to be seen.

Question 7. D - 2 Points

Standards

5-PS1-1
Develop a model to describe that matter is made of particles too small to be seen.

Question 8. B - 2 Points

Standards

5-PS1-2
Measure and graph quantities to provide evidence that regardless of the type of change that occurs when heating, cooling, or mixing substances, the total weight of matter is conserved.

Question 9. B - 1 Point

Standards

5-PS1-3
Make observations and measurements to identify materials based on their properties.

Question 10. D - 1 Point

Standards

5-PS1-3
Make observations and measurements to identify materials based on their properties.

Question 11. C - 1 Point

Standards

5-PS1-3
Make observations and measurements to identify materials based on their properties.

Question 12. D - 1 Point

Standards

5-PS1-3
Make observations and measurements to identify materials based on their properties.

Question 13. C - 1 Point

Standards

5-PS1-4
Conduct an investigation to determine whether the mixing of two or more substances results in new substances.

Question 14. C - 1 Point

Standards

5-PS1-4
Conduct an investigation to determine whether the mixing of two or more substances results in new substances.

Question 15. A - 2 Points

Standards

5-PS1-4
Conduct an investigation to determine whether the mixing of two or more substances results in new substances.

Question 16. D - 1 Point

Standards

5-PS1-4
Conduct an investigation to determine whether the mixing of two or more substances results in new substances.

Question 17. C - 2 Points

Standards

5-PS1-2
Measure and graph quantities to provide evidence that regardless of the type of change that occurs when heating, cooling, or mixing substances, the total weight of matter is conserved.

Question 18. B - 1 Point

Standards

5-PS1-2
Measure and graph quantities to provide evidence that regardless of the type of change that occurs when heating, cooling, or mixing substances, the total weight of matter is conserved.

Question 19. O - 2 Points

Standards

5-PS1-3
Make observations and measurements to identify materials based on their properties.

Question 20. D - 1 Point

Standards

5-PS1-2
Measure and graph quantities to provide evidence that regardless of the type of change that occurs when heating, cooling, or mixing substances, the total weight of matter is conserved.

Question 21.

Response 1: A - 1 Point

Response 2: A - 1 Point

Standards

5-PS1-2
Measure and graph quantities to provide evidence that regardless of the type of change that occurs when heating, cooling, or mixing substances, the total weight of matter is conserved.