

2023–2024 Gr8 Science Benchmark Unit 2

Answer Key

Question 1. D – 1 Point

Standards

MS-ESS3-4

Construct an argument supported by evidence for how increases in human population and per-capita consumption of natural resources impact Earth's systems.

Question 2.

Response 1: 0 – 1 Point

Response 2: 0 – 2 Points

Response 3: 0 – 3 Points

Standards

MS-ESS3-4

Construct an argument supported by evidence for how increases in human population and per-capita consumption of natural resources impact Earth's systems.

Question 3. A – 2 Points

Standards

MS-ESS3-5

Ask questions to clarify evidence of the factors that have caused climate change over the past century.

Question 4. C – 1 Point

Standards

MS-ESS3-3

Apply scientific principles to design a method for monitoring and minimizing a human impact on the environment.

Question 5. C – 2 Points

Standards

MS-ESS3-3

Apply scientific principles to design a method for monitoring and minimizing a human impact on the environment.

Question 6. C – 2 Points

Standards

MS-ESS3-5

Ask questions to clarify evidence of the factors that have caused climate change over the past century.

Question 7. C – 1 Point

Standards

MS-ESS3-3

Apply scientific principles to design a method for monitoring and minimizing a human impact on the environment.

Question 8. B – 2 Points

Standards

MS-ESS3-4

Construct an argument supported by evidence for how increases in human population and per-capita consumption of natural resources impact Earth's systems.

Question 9. D – 1 Point

Standards

MS-ESS3-3

Apply scientific principles to design a method for monitoring and minimizing a human impact on the environment.

Question 10. B – 1 Point

Standards

MS-ESS3-4

Construct an argument supported by evidence for how increases in human population and per-capita consumption of natural resources impact Earth's systems.

Question 11. A – 1 Point

Standards

MS-ESS3-3

Apply scientific principles to design a method for monitoring and minimizing a human impact on the environment.

Question 12. B – 1 Point

Standards

MS-ESS3-5

Ask questions to clarify evidence of the factors that have caused climate change over the past century.

Question 13. D – 1 Point

Standards

MS-ESS3-5

Ask questions to clarify evidence of the factors that have caused climate change over the past century.

Question 14. D – 1 Point

Standards

MS-LS4-4

Construct an explanation based on evidence that describes how genetic variations of traits in a population increase some individuals' probability of surviving and reproducing in a specific environment.

Question 15. B – 1 Point

Standards

MS-LS4-4

Construct an explanation based on evidence that describes how genetic variations of traits in a population increase some individuals' probability of surviving and reproducing in a specific environment.