

2023–2024 Gr6 Science Benchmark Unit 3

Answer Key

Question 1. B – 1 Point

Standards

MS-ESS1-1

Develop and use a model of the Earth–sun–moon system to describe the cyclic patterns of lunar phases, eclipses of the sun and moon, and seasons.

Question 2. B – 1 Point

Standards

MS-ESS1-1

Develop and use a model of the Earth–sun–moon system to describe the cyclic patterns of lunar phases, eclipses of the sun and moon, and seasons.

Question 3. C – 1 Point

Standards

MS-ESS1-1

Develop and use a model of the Earth–sun–moon system to describe the cyclic patterns of lunar phases, eclipses of the sun and moon, and seasons.

Question 4. B – 1 Point

Standards

MS-ESS1-1

Develop and use a model of the Earth–sun–moon system to describe the cyclic patterns of lunar phases, eclipses of the sun and moon, and seasons.

Question 5. Earth – 1 Point

Standards

MS-ESS1-1

Develop and use a model of the Earth–sun–moon system to describe the cyclic patterns of lunar phases, eclipses of the sun and moon, and seasons.

Question 6. A – 1 Point

Standards

MS-ESS1-2

Develop and use a model to describe the role of gravity in the motions within galaxies and the solar system.

Question 7. B – 1 Point

Standards

MS-ESS1-3

Analyze and interpret data to determine scale properties of objects in the solar system.

Question 8. A – 1 Point

Standards

MS-ESS1-3

Analyze and interpret data to determine scale properties of objects in the solar system.

Question 9. galaxies – 1 Point

Standards

MS-ESS1-2

Develop and use a model to describe the role of gravity in the motions within galaxies and the solar system.

Question 10. D – 1 Point

Standards

MS-ESS1-2

Develop and use a model to describe the role of gravity in the motions within galaxies and the solar system.

Question 11. O – 2 Points

Standards

MS-ESS1-2

Develop and use a model to describe the role of gravity in the motions within galaxies and the solar system.

Question 12. C – 1 Point

Standards

MS-ESS1-2

Develop and use a model to describe the role of gravity in the motions within galaxies and the solar system.

Question 13. B – 1 Point

Standards

MS-ESS1-3

Analyze and interpret data to determine scale properties of objects in the solar system.

Question 14. O – 3 Points

Standards

MS-ESS1-3

Analyze and interpret data to determine scale properties of objects in the solar system.

Question 15. B – 1 Point

Standards

MS-LS1-7

Develop a model to describe how food is rearranged through chemical reactions forming new molecules that support growth and/or release energy as this matter moves through an organism.

Question 16. C – 1 Point

Standards

MS-LS1-7

Develop a model to describe how food is rearranged through chemical reactions forming new molecules that support growth and/or release energy as this matter moves through an organism.