2023-2024 Gr5 Science Benchmark Unit 4

Answer Key

Question 1. A – 1 Point

Standards

5-PS2-1
Support an argument that the gravitational force exerted by Earth on objects is directed down.

Question 2. B – 1 Point

Standards

5-PS2-1
Support an argument that the gravitational force exerted by Earth on objects is directed down.

Question 3. D – 1 Point

Standards

5-PS2-1
Support an argument that the gravitational force exerted by Earth on objects is directed down.

Question 4. C – 1 Point

Standards

5-PS2-1
Support an argument that the gravitational force exerted by Earth on objects is directed down.

Question 5. B – 1 Point

Standards

5-PS2-1
Support an argument that the gravitational force exerted by Earth on objects is directed down.

Question 6. A – 1 Point

Standards

5-ESS1-1
Support an argument that differences in the apparent brightness of the sun compared to other stars is due to their relative distances from Earth.

Question 7. A – 0 Point | B – 1 Point | C – 1 Point | D – 0 Point | E – 0 Point | F – 1 Point

Standards

5-ESS1-1
Support an argument that differences in the apparent brightness of the sun compared to other stars is due to their relative distances from Earth.

Question 8. C – 1 Point

Standards

5-ESS1-1
Support an argument that differences in the apparent brightness of the sun compared to other stars is due to their relative distances from Earth.

Question 9. C – 1 Point

Standards

5-ESS1-1
Support an argument that differences in the apparent brightness of the sun compared to other stars is due to their relative distances from Earth.

Question 10.

Response 1: O – 2 Points

Response 2: O – 2 Points

Standards

5-ESS1-1

Support an argument that differences in the apparent brightness of the sun compared to other stars is due to their relative distances from Earth.

Question 11. C – 1 Point

Standards

5-ESS1-2

Represent data in graphical displays to reveal patterns of daily changes in length and direction of shadows, day and night, and the seasonal appearance of some stars in the night sky.

Question 12. A – 1 Point

Standards

5-ESS1-2

Represent data in graphical displays to reveal patterns of daily changes in length and direction of shadows, day and night, and the seasonal appearance of some stars in the night sky.

Question 13. B – 1 Point

Standards

5-ESS1-2

Represent data in graphical displays to reveal patterns of daily changes in length and direction of shadows, day and night, and the seasonal appearance of some stars in the night sky.

Question 14. B – 2 Points

Standards

5-ESS1-2

Represent data in graphical displays to reveal patterns of daily changes in length and direction of shadows, day and night, and the seasonal appearance of some stars in the night sky.

Question 15.

Response 1: O – 1 Point

Response 2: O – 2 Points

Standards

5-ESS1-2

Represent data in graphical displays to reveal patterns of daily changes in length and direction of shadows, day and night, and the seasonal appearance of some stars in the night sky.

Question 16. C – 1 Point

Standards

5-PS1-1

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

Question 17. D – 1 Point

Standards

5-PS1-1

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