

# 2023–2024 Gr3 Science Benchmark #1

Answer Key

### Question 1.

Response 1: B – 1 Point

Response 2: A – 1 Point

Response 3: A – 1 Point

### Standards

3-PS2-1

Plan and conduct an investigation to provide evidence of the effects of balanced and unbalanced forces on the motion of an object.

### Question 2. A – 1 Point

### Standards

3-PS2-1

Plan and conduct an investigation to provide evidence of the effects of balanced and unbalanced forces on the motion of an object.

### Question 3. A – 1 Point

### Standards

3-PS2-1

Plan and conduct an investigation to provide evidence of the effects of balanced and unbalanced forces on the motion of an object.

### Question 4.

Response 1: A – 1 Point

Response 2: B – 1 Point

Response 3: A – 1 Point

Response 4: A – 1 Point

Response 5: B – 1 Point

Response 6: B – 1 Point

### Standards

3-PS2-1

Plan and conduct an investigation to provide evidence of the effects of balanced and unbalanced forces on the motion of an object.

### Question 5. B – 1 Point

### Standards

3-PS2-1

Plan and conduct an investigation to provide evidence of the effects of balanced and unbalanced forces on the motion of an object.

### Question 6. A – 1 Point

### Standards

3-PS2-2

Make observations and/or measurements of an object's motion to provide evidence that a pattern can be used to predict future motion.

### Question 7. B – 1 Point

#### Standards

3-PS2-1

Plan and conduct an investigation to provide evidence of the effects of balanced and unbalanced forces on the motion of an object.

### Question 8. B – 1 Point

#### Standards

3-PS2-3

Ask questions to determine cause and effect relationships of electric or magnetic interactions between two objects not in contact with each other.

### Question 9. B – 1 Point

#### Standards

3-PS2-3

Ask questions to determine cause and effect relationships of electric or magnetic interactions between two objects not in contact with each other.

### Question 10. C – 1 Point

#### Standards

3-PS2-3

Ask questions to determine cause and effect relationships of electric or magnetic interactions between two objects not in contact with each other.

### Question 11. A – 1 Point









#### Standards

3-PS2-2

Make observations and/or measurements of an object's motion to provide evidence that a pattern can be used to predict future motion.

Question 12.

Will these magnets attract or repel? Choose.

		<input type="radio"/> <sup>(1)</sup> attract	<input type="radio"/> repel
		<input type="radio"/> attract	<input type="radio"/> <sup>(4)</sup> repel
		<input type="radio"/> attract	<input type="radio"/> <sup>(6)</sup> repel
		<input type="radio"/> <sup>(7)</sup> attract	<input type="radio"/> repel

• (4) – 1 Point | (6) – 1 Point | (7) – 1 Point | (1) – 1 Point

### Standards

3-PS2-3

Ask questions to determine cause and effect relationships of electric or magnetic interactions between two objects not in contact with each other.