

Content Practice B

LESSON 4

Newton's Third Law

Directions: Answer each question or respond to each statement on the lines provided.

1. What is Newton's third law of motion?

2. What are the two parts of a force pair?

3. Why don't those two parts cancel each other?

4. **Explain** the combination of forces that enable a swimmer to move through the water.

5. What is the equation $p = m \times v$ used to determine? _____

6. **Determine** the momentum of a 3-kg ball moving at a speed of 4 m/s.

7. **Explain** conservation of momentum.

8. What are elastic and inelastic collisions?

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