

## Physical Science Study Guide

5

### Multiple Choice

Identify the choice that best completes the statement or answers the question.

15

1. When an unbalanced force acts on an object,
- |   |   |
|---|---|
| a. the object's motion does not change. | c. the weight of the object decreases.  |
| b. the object accelerates.              | d. the inertia of the object increases. |

25

2. Work is a transfer of
- |            |            |
|------------|------------|
| a. energy. | c. mass.   |
| b. force.  | d. motion. |

30

3. What is transferred by a force moving an object through a distance?
- |          |           |
|----------|-----------|
| a. force | c. motion |
| b. mass  | d. energy |

35

4. The energy of motion is called
- |                      |                    |
|----------------------|--------------------|
| a. kinetic energy.   | c. thermal energy. |
| b. potential energy. | d. work.           |

5. Which of the following is an example of an object with elastic potential energy?
- |   |
|---|
| a. a wind-up toy that has been wound up |
| b. a compressed basketball              |

# Freshman Physical Science Study Guide Answers

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