

CHAPTER 6

STUDY GUIDE

MOTION IN TWO DIMENSIONS

Vocabulary Review

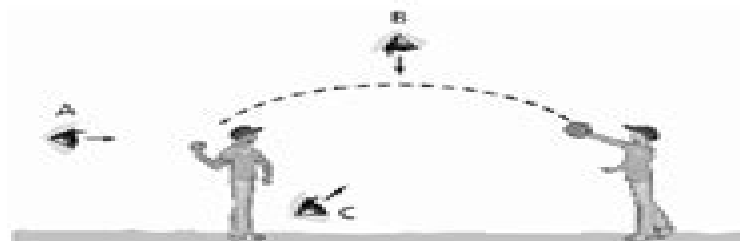
For each definition on the left, write the letter of the matching item.

- | | | |
|----------|---|-----------------------------|
| _____ 1. | a force directed toward the center of a circle | a. projectile |
| _____ 2. | an object shot through the air | b. trajectory |
| _____ 3. | a coordinate system for motion | c. uniform circular motion |
| _____ 4. | the movement of an object at a constant speed around a circle with a fixed radius | d. centripetal acceleration |
| _____ 5. | acceleration that always points toward the center of a circle | e. centripetal force |
| _____ 6. | a projectile's path through space | f. reference frame |

SECTION 1 Projectile Motion

In your textbook, read about projectile motion.

Refer to the diagram to answer questions 1-3. Use complete sentences.



1. How would the path of the ball appear to an observer at Position A?

2. How would the path of the ball appear to an observer at Position B?

3. How would the path of the ball appear to an observer at Position C?

Motion In Two Dimensions Study Guide

Stanley A. Williams

A red circular graphic with a gradient, appearing as a semi-circle or a partial circle, located to the right of the author's name.

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