

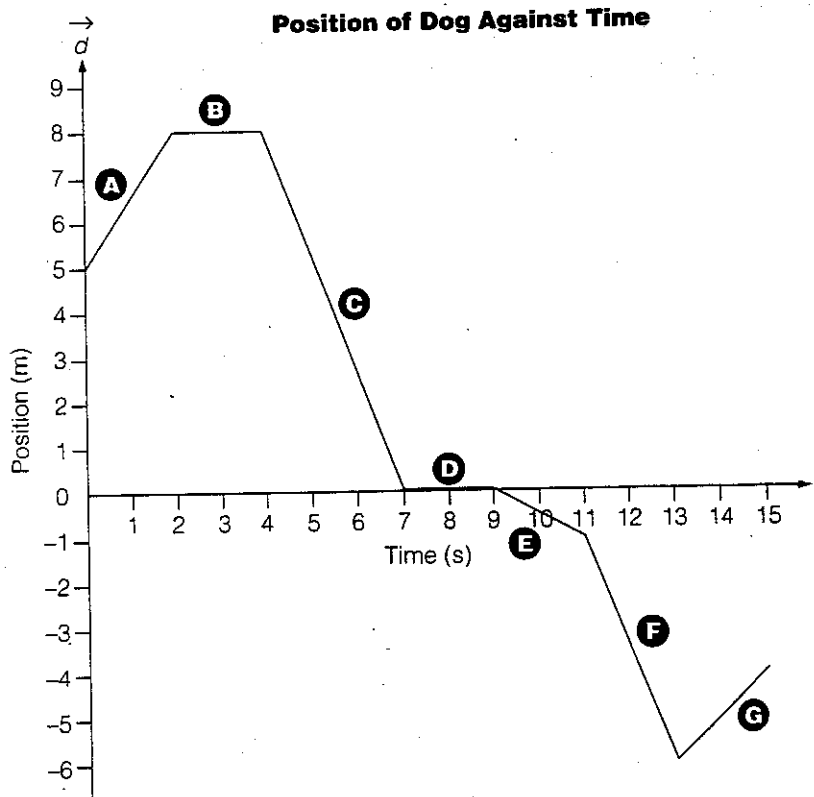
CHAPTER 10
REINFORCEMENT
BLM 10-1

Describing Position-Time Graphs

Goal • Describe the motion represented on a position-time graph.

What to Do

A dog starts to walk from a position that is 5.0 m to the right of its owner. A graph of the dog's motion is below.



Examine the position-time graph carefully. Write one sentence to describe the motion of the dog in each section. Describe both speed and direction.

- A. MOVES RIGHT AT CONSTANT SPEED OF 1.5 m/s.
(AWAY)
- B. STOPS AT 8.0m FOR 2.0s.
- C. MOVES LEFT AT CONSTANT SPEED OF 2.7 m/s.
(TOWARDS)
- D. STOPS NEXT TO OWNER FOR 2.0s.

CHAPTER 10
REINFORCEMENT**BLM 10-1****Describing Position-Time**
Graphs (continued)

- E. MOVES LEFT AT CONSTANT SPEED OF 0.5 m/s
(away)
- F. MOVES LEFT AT CONSTANT SPEED OF 2.5 m/s
(away)
- G. MOVES RIGHT AT CONSTANT SPEED OF 1.0 m/s
(towards)