

Chapter 13

Use with Section 4

REINFORCEMENT

• Describing Motion

Part A

In number 1 below, a code letter has been substituted for each letter of the alphabet. To find out what the sentence says, use the following key to decode it. In the key, the code letters are shown directly below the alphabet letter they stand for. Write the correct letter above each code letter, then read the sentence aloud.

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
Z	Y	X	W	V	U	T	S	R	Q	P	O	N	M	L	K	J	I	H	G	F	E	D	C	B	A

1. _____
- | | | | |
|-------|----------|-----------|-------|
| RM | Z | HBHGVN | DSVIV |
| _____ | | | |
| ML | LFGHRWV | ULIXVH | Z XG |
| _____ | | | |
| GSV | NLNVMGFN | YVULIV | ZMW |
| _____ | | | |
| ZUGVI | Z | XLOORHRLM | HGZBH |
| _____ | | | |
| GSV | HZNV | | |

2. Which law of motion does the above sentence state? _____
- _____

Part B

Match the laws of motion in Column II with their names in Column I. Write the letter of the correct law in the blank at the left.

Column I

- _____ 3. Newton’s first law of motion
- _____ 4. Newton’s second law of motion
- _____ 5. Newton’s third law of motion

Column II

- a. A coin tossed from the road above the Grand Canyon moves faster and faster toward the Colorado River.
- b. The *Voyager* spacecraft glides at constant speed between Earth and Mars.
- c. Shoes push against the gym floor and the basketball player’s hand moves above the rim after the floor pushes back.