

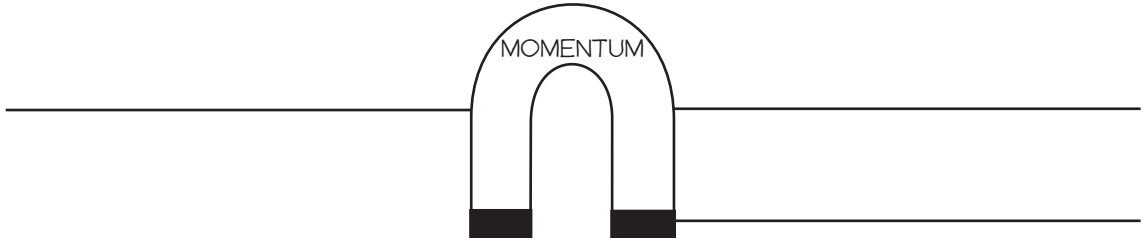
SECTION | FORCES TRANSFER MOMENTUM.

2.4 | **Reading Study Guide B****BIG IDEA** Forces change the motion of objects in predictable ways.**KEY CONCEPT** Forces transfer momentum.**Review**

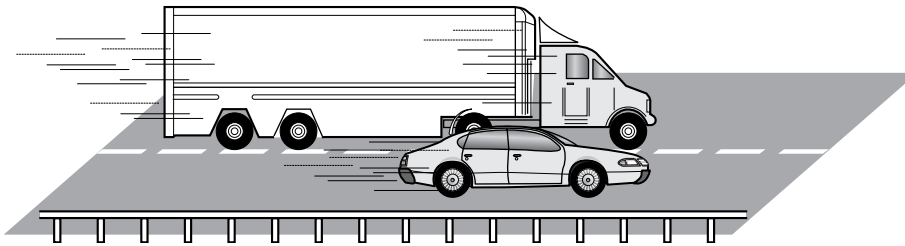
Newton's laws help to describe and predict motion.

Take Notes**I. Objects in motion have momentum. (p. 64)**

1. Fill in the word magnet diagram for *momentum*.



2. If both vehicles are traveling at the same speed, which vehicle has more momentum?

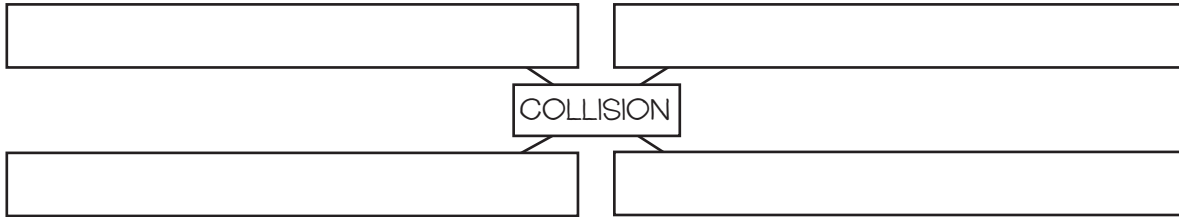


3. How is momentum like inertia? How is it different?

4. What is the equation for momentum?

II. Momentum can be transferred from one object to another. (p. 66)

5. Complete the main-idea web for *collision*.

**III. Momentum is conserved. (p. 67)**

6. Fill in the combination notes diagram for *conservation of momentum*.

Notes	
Momentum is conserved. • • •	•

A. Two Types of Collisions (p. 68)

7. How are some types of collisions different from others?

B. Momentum and Newton's Third Law (p. 68)

8. How is conservation of momentum related to Newton's third law?
