

NAME: _____ DATE: _____

DIRECTIONS

Read the text and then answer the questions.

A roller coaster can be a real thrill! It is a very fun ride. Did you know that science teaches us how a roller coaster works? A roller coaster is not run by an engine. It is pulled to the top of a hill, and then it is let go. The *momentum* (moh-MEN-tuhm) from rolling down the hill keeps the roller coaster moving.

1. What is the text mostly about?

- (A) science
- (B) amusement parks
- (C) roller coasters
- (D) hills

2. How does a roller coaster keep moving?

- (A) momentum
- (B) an engine
- (C) electricity
- (D) horsepower

3. How many syllables are in the word *momentum*?

- (A) five syllables
- (B) two syllables
- (C) three syllables
- (D) four syllables

4. Using context clues, which definition of *momentum* makes the most sense?

- (A) gravity
- (B) having speed
- (C) reverse speed
- (D) length

SCORE

1. 😊 😐

2. 😊 😐

3. 😊 😐

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Total

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Read the text and then answer the questions.

SCORE

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Total

A *balance* is a simple device. It is for weighing objects. It was the first type of scale invented. An object of unknown weight is placed on one side. Then, a known amount of weight is put on the other side. The balance will be equal when both sides have the same amount of weight.

1. What is a good title for the text?

- ☐ (A) A Balancing Beam
- ☐ (B) Heavy Things
- ☐ (C) All About Scales
- ☐ (D) The First Scale

3. What is the root word in *unknown*?

- ☐ (A) own
- ☐ (B) know
- ☐ (C) now
- ☐ (D) unknow

2. When does the balance become equal?

- ☐ (A) when you first put weight on one side
- ☐ (B) when both sides have an equal amount of weight
- ☐ (C) when both sides have different weight
- ☐ (D) when your known weight is more

4. What word in the text is similar to *balance*?

- ☐ (A) equation
- ☐ (B) difference
- ☐ (C) scale
- ☐ (D) object

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A top is a toy that has been around for a long time. It is spun while it balances on a point. Usually, a player's fingers grab the top and give it a twirl. Sometimes, a string or stick is used to make the toy spin. When the top slows down, it topples onto a surface.

1. What is the most important idea?

- (A) A top is a toy that spins while balancing on a point.
- (B) The top has been around for a long time.
- (C) A top is twirled with fingers.
- (D) A top always topples down.

2. What is **not** used to spin a top?

- (A) a string
- (B) a stick
- (C) a battery
- (D) fingers

3. Which two words make a compound word?

- (A) *down* and *long*
- (B) *toy* and *time*
- (C) *point* and *string*
- (D) *down* and *time*

4. Which two words are similar in meaning?

- (A) *balances* and *make*
- (B) *spin* and *twirl*
- (C) *slows* and *grab*
- (D) *point* and *surface*

SCORE

1. 😊 😐

2. 😊 😐

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4. 😊 😐

____ / 4

Total

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Constant Motion

Things are moving around us all of the time. Cars and bikes zoom by. Balls roll away. Waves come and go. Even our own planet is revolving and rotating. It does this and we don't even feel it!



Many things move in some way. Yet objects do not all move in the same way. Motion can mean a lot of things. It can mean moving from one place to another. It can mean spinning around in the same spot. Some objects balance and then begin to move. They may topple over in the end.

People are fascinated by motion. Even babies like to watch things move. Many parents hang a mobile over their baby's crib. Babies find the movement interesting.

As kids grow up, they love to move things around. Toy cars can zoom fast on a track. Towers of blocks can be balanced carefully. Then the blocks fall over and collapse. Paper airplanes are fun to fly through the air.

Adults study motion, too. They learn how to keep airplanes moving through the sky. They follow rules for moving safely on streets and freeways. They design toys and machines. All of these move, too.

Look around you right now. What do you see that is moving?

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Read "Constant Motion" and then answer the questions.

SCORE**1.** Which shows a connection to the text?

- (A) Cars drive too fast on the freeway.
- (B) I want to learn how to ride a bike.
- (C) I don't remember sleeping in a crib.
- (D) I practice balancing and turning in ballet class.

2. How do balls move?

- (A) They rail.
- (B) They rule.
- (C) They roar.
- (D) They roll.

3. Which shows the author's opinion?

- (A) All things move the same way.
- (B) Children like motion.
- (C) Adults do not care for motion.
- (D) Balance is important.

4. Which verb is **not** used in the text?

- (A) crawl
- (B) zoom
- (C) roll
- (D) fly

5. Which gives the best summary of the text?

- (A) Objects move in a straight line.
- (B) Objects don't always move.
- (C) Objects move in many ways.
- (D) Objects move fast or slowly.

1. 😊 😐

2. 😊 😐

3. 😊 😐

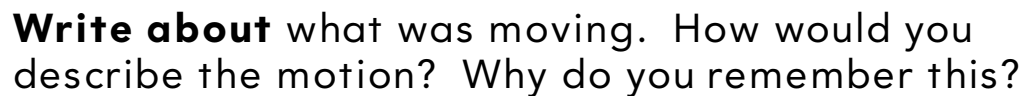
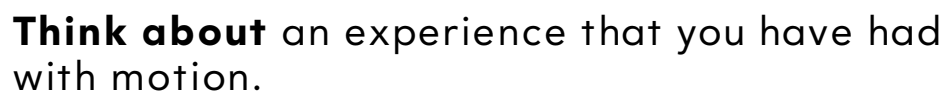
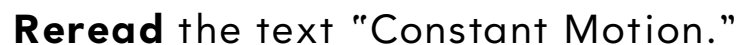
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