

Name: \_\_\_\_\_ Date: \_\_\_\_\_

## Daily Written Reflection

What questions do you have about balanced and unbalanced forces?

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Make a drawing if it helps you explain your thinking. Label your drawing.



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## Setting a Purpose for Reading Hoverboard

Directions:

1. Discuss with your partner and decide on a purpose for reading **Hoverboard**.
2. Check to make sure that your purpose will help you explain to the people of Faraday why the train floats even though gravity is acting on it.
3. Read **Hoverboard** and mark places in the book that have to do with your reading purpose.
4. Write notes about what you found in the book.

Reading purpose: To learn more about \_\_\_\_\_

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Notes about what you read that has to do with your reading purpose:

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## Getting Ready to Read: Hoverboard

Directions:

1. Before reading the book **Hoverboard**, read the sentences below.
2. If you agree with the sentence, write an “A” on the line before the sentence.
3. If you disagree with the sentence, write a “D” on the line before the sentence.
4. After you read the book, see if your ideas have changed. Be ready to explain your thinking.

\_\_\_\_\_ A hoverboard works by turning gravity on and off.

\_\_\_\_\_ Engineers needed to use balanced forces to make a hoverboard that works.

\_\_\_\_\_ Magnets in the ceiling attract the hoverboard and make it float.

\_\_\_\_\_ There are magnets that can be turned on and off.

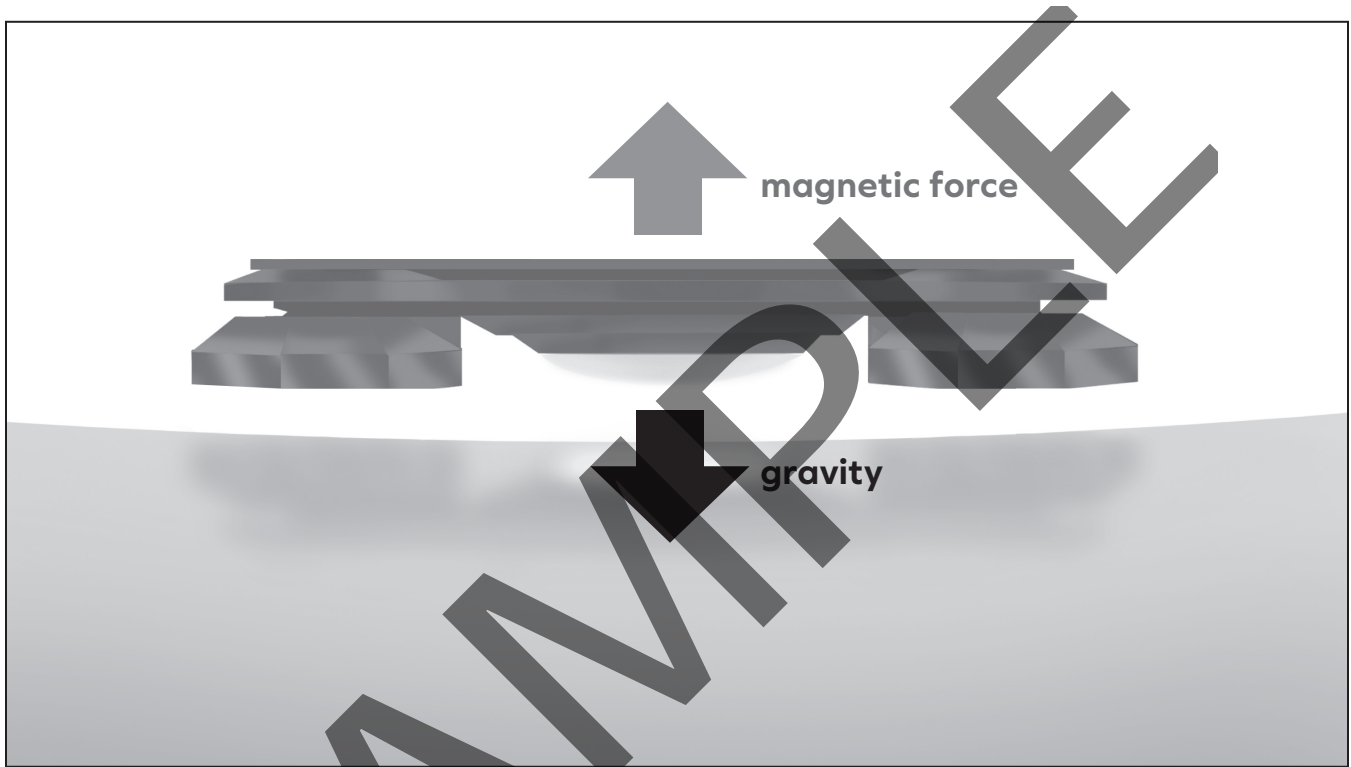
\_\_\_\_\_ The hoverboard is the only invention that uses the science of balanced forces.

\_\_\_\_\_ Repelling magnets make the hoverboard float.

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## Reading Reflection: Hoverboard

The diagram below is from page 11 in the book **Hoverboard**. Sometimes, a diagram has a caption, which is a sentence that tells the main idea of what the diagram shows. Write a caption for this diagram.



My caption:

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## Multiple Meaning Words

Directions:

Some words can mean more than one thing. For each word in the chart:

1. Read the sentence from the book **Hoverboard** that uses the word.
2. Read the two meanings the word can have.
3. Decide which meaning the word has in the sentence from the book and circle that meaning in the table.

Word	Sentence from the book	Meaning 1	Meaning 2
hardest	Designing a hoverboard that is safe for every rider, every time, is the <b>hardest</b> part.	most difficult	least soft
test	The engineers have to <b>test</b> these hoverboards hundreds of times.	try out to see how something works	an activity in school to find out what students know
Earth	<b>Earth</b> actually pulls everything toward its center.	dirt or soil	the planet on which we live
type	The magnets in the hoverboard are a <b>type</b> of electromagnet.	to write by using a keyboard	kind or sort