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# Before We Read

## MY LEARNING GOALS

I can

- tell about my own experience with movies.
- compare and contrast types of movie theaters.

## The Ultimate Movie Experience

It's dark, and you shiver. You wrap your sweater a little tighter around your shoulders. In the distance, a seal barks. Then a group of penguins waddles by. You decide to go for a closer look when suddenly you remember that you are not in Antarctica after all. Instead, you are enjoying an IMAX film, one of the most realistic moviegoing experiences. You settle back into your seat to enjoy the clarity and intensity that comes with an IMAX film.







## MY LEARNING GOALS

### I can

- read and understand an informational passage.
- compare and contrast using information from the passage and my prior knowledge.

## An Adventure Without Leaving Your Seat

For most people, climbing Mount Everest, facing great white sharks in the depths of the ocean, or floating weightless in space are experiences they will only have in their dreams. However, with the magic of IMAX films, moviegoers can experience these adventures from the comfort of their theater seats.

### The Viewer Experience

IMAX movies feature images that are up to eight stories high. The theaters have digital surround sound. The result is an intense moviegoing experience. Because of the clarity of the images and the close seating, the viewer's field of vision is filled with the pictures on the screen. The reality and detail can be so vivid that people in the audience may develop motion sickness in scenes that show a great deal of movement. Viewers may even feel their stomachs drop when the action on the screen moves downward quickly.



Some IMAX theaters are in the shape of a dome. These theaters have hemispherical screens.



**Highlight** two physical effects that IMAX films can have on the audience.



Of the three experiences given in the first paragraph, which would you most like to do?

I would like to \_\_\_\_\_.



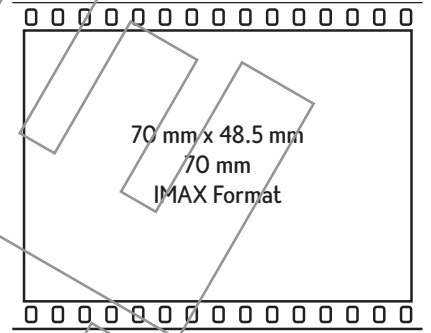
# Let's Read

## How Does IMAX Work?

To create the most realistic viewing experience possible, IMAX theaters use special film and equipment. Regular theaters use 35-mm film. IMAX uses 70-mm film. The IMAX film is ten times larger than the film used in the regular theater, which makes it the largest commercial film ever invented. It is so strong it could even be used to tow a car. This large format film makes the IMAX images particularly sharp and clear.

The crystal-clear images from the IMAX film require special screens for the ultimate moviegoing experience. IMAX screens are 4,500 times larger than an average television screen. The screens are designed to fill viewers' peripheral vision so they feel like they are part of the action. The screens are painted with special silver paint so that the maximum amount of light is reflected back to the viewers.

The movie projectors used in IMAX films are the most powerful projectors ever built. They are designed to project a steady picture and deliver sharp, bright images. An IMAX sound system uses 44 speakers that are grouped behind the screen and in the back of the theater to provide a clear, deep sound. The system uses 16 amplifiers that generate watts of power rather than volume to deliver a realistic sound. The IMAX screens are perforated with thousands of tiny holes to allow sound to freely flow through the screen.



IMAX film projector



Circle the size of the film used for IMAX films.



Why do you think sound quality is important in an IMAX film?

Sound quality is important because \_\_\_\_\_.



## IMAX Movies and Theaters

There are currently more than 1,200 IMAX theaters operating in 75 countries around the world. Many of these theaters are found in science centers and museums, largely due to the nature of IMAX films. Because of the expense of shooting IMAX films, most are shorter than feature-length movies. Many IMAX films are documentaries, focusing on topics such as the space program, dinosaurs, and the ocean. IMAX cameras have flown into space, climbed Mount Everest, and swum along the bottom of the ocean.

In 2000, *Fantasia 2000* was released as the first full-length animated film that was made exclusively in the IMAX format. However, due to high costs and numerous production difficulties, no full-length feature film has ever been shot entirely in IMAX format. Many films are being released as both regular and IMAX versions due to a process called Digital Media Remastering. This process allows films that have been made in the standard format to be converted to IMAX format. In addition, many directors film individual scenes in a movie using IMAX cameras.



IMAX films have featured topics such as Antarctica, the Grand Canyon, and outer space.



Underline the reasons no feature film has ever been made entirely with IMAX cameras.



What topics would you be interested in seeing featured in an IMAX film?

I would be interested in an IMAX movie about \_\_\_\_\_.



# Let's Read

## IMAX and More

To add even more to the experience, many IMAX films are now 3D. IMAX 3D gives the illusion of depth. The process involves two individual camera lenses: one that represents the left eye and one that represents the right eye. Viewers use special glasses to enjoy these films.

IMAX movies can be both entertaining and educational, and they may even inspire you to try something new. Astronaut Susan Helms credits an IMAX movie with her decision to become an astronaut. She says, "I first thought about it in my 20s, after seeing the IMAX movie *The Dream Is Alive*." Even if an IMAX movie doesn't change your life, though, it still can provide a thrilling "armchair" adventure.



Filming *Hidden Universe 3D* with an IMAX camera



Circle what viewers use to watch 3D movies.



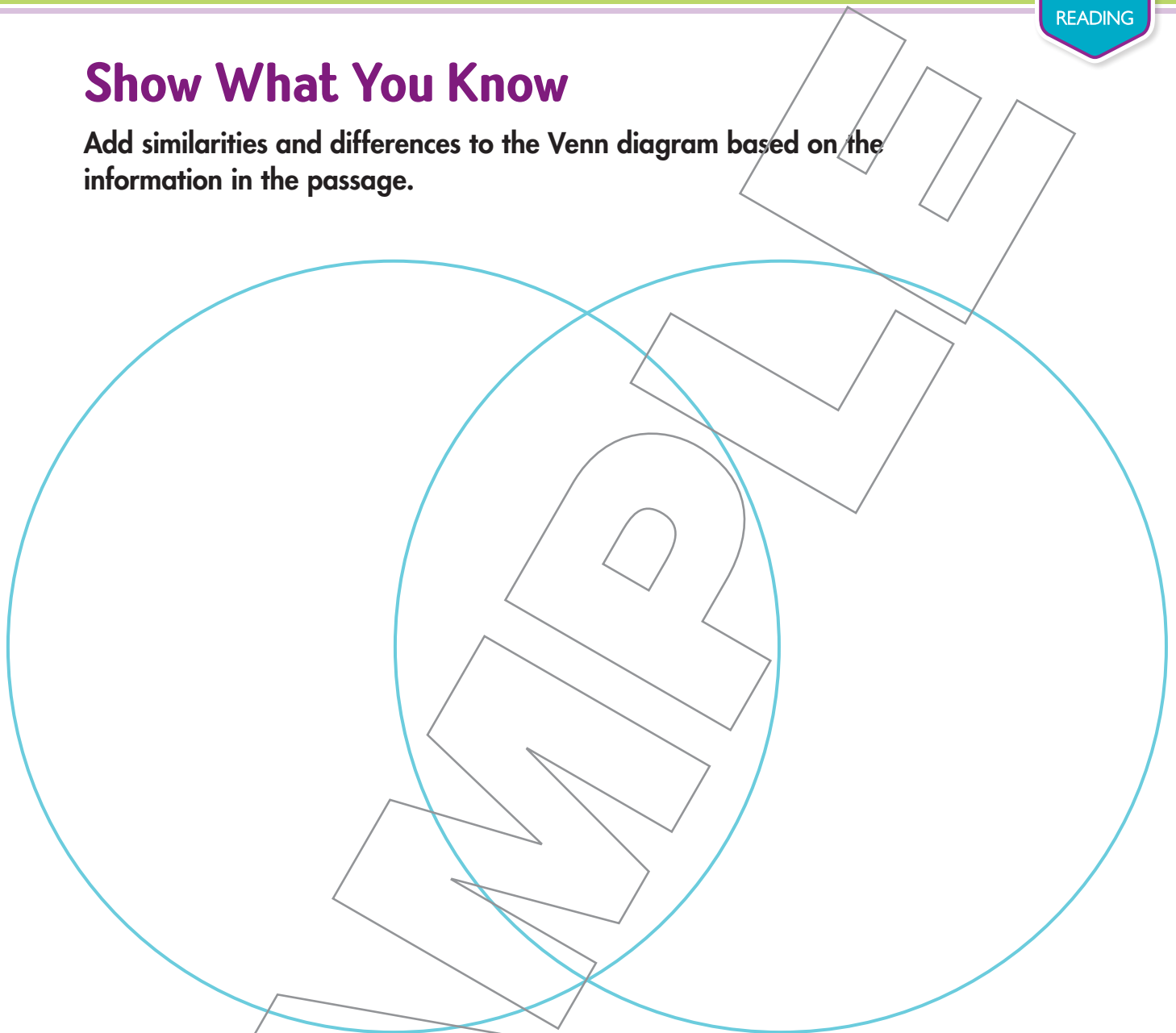
Who or what has inspired you to try something new?

I was inspired by \_\_\_\_\_ to \_\_\_\_\_.



## Show What You Know

Add similarities and differences to the Venn diagram based on the information in the passage.



IMAX Movie Experience

Both

Normal Movie Experience







# Let's Read

## What Did You Learn?

Think about what you learned from the passage. Then circle the letter of the correct answer.

1. What is the effect of screens that fill the viewers' peripheral vision?

- A There are parts of the movie that are blurry.
- B Viewers feel like they are part of the action.
- C More light is reflected back to the movie.
- D The viewers can better hear the movie.

2. How many speakers do IMAX theaters use?

- A 16
- B 44
- C 70
- D 280

3. Based on the passage, IMAX films are \_\_\_\_\_.

- A more intense than movies shown in regular format
- B less expensive to produce than traditional movies
- C not as interesting as mainstream movies
- D mostly shown in home theaters

4. What happened after IMAX technology was perfected for shorter, documentary films?

- A People decided to become astronauts.
- B IMAX movies became shorter and more exciting.
- C IMAX movies began being shown from space shuttles.
- D Longer movies began to use IMAX technology.



LISTENING

# Listen and Discuss

## MY LEARNING GOALS

I can

- listen to and understand a passage about 3D movies.
- participate in a discussion.

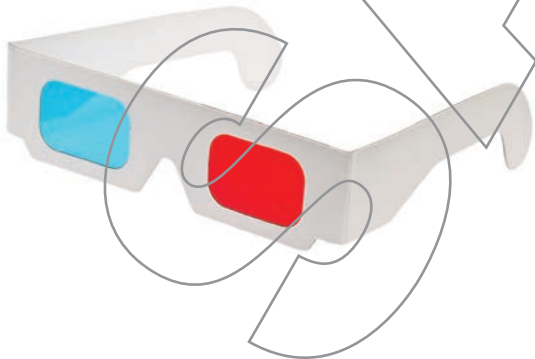
Listen to a passage about 3D movies. While you listen the second time, take notes on the Venn diagram below.



Anaglyph

Both

Polarization

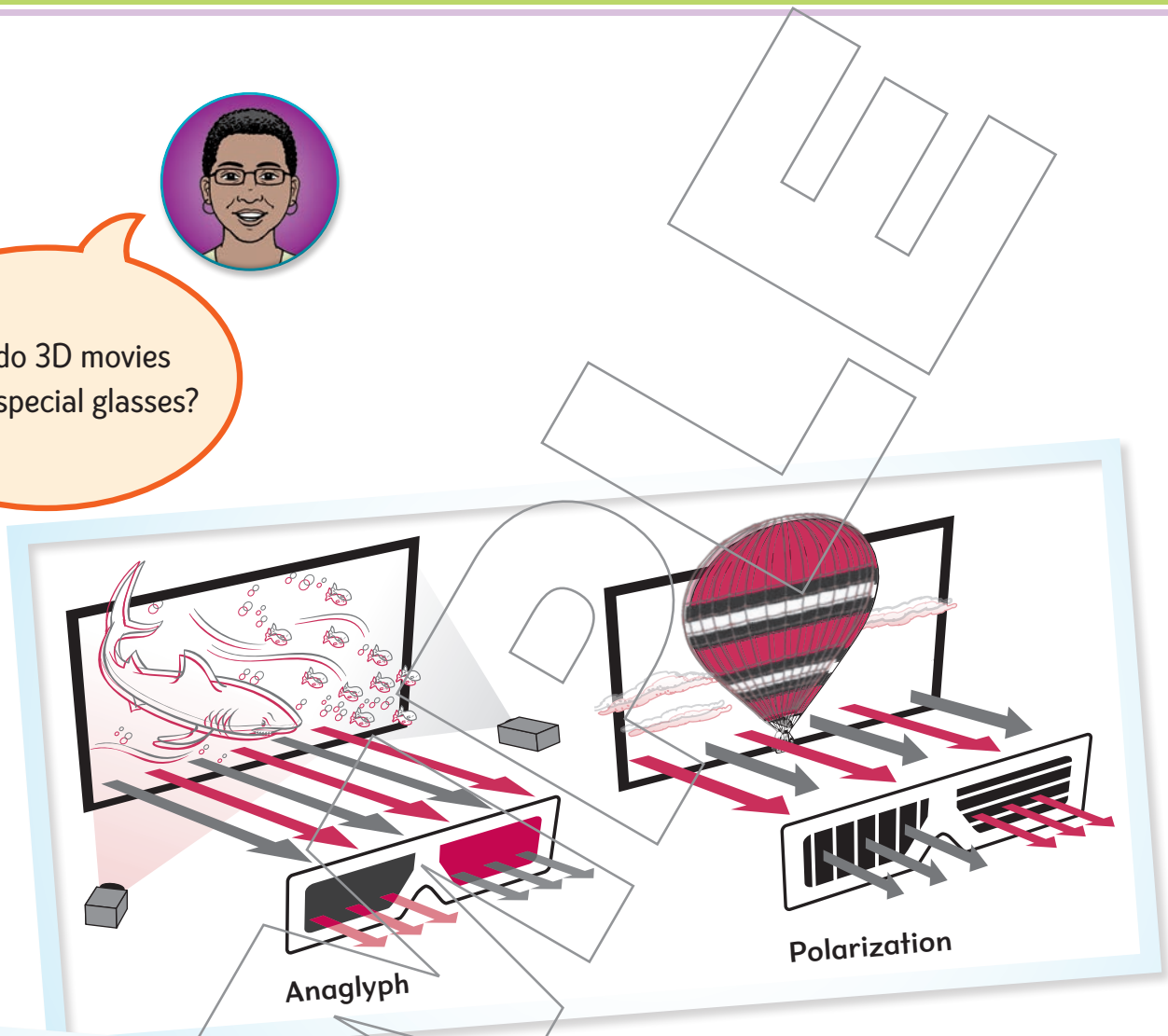




# Listen and Discuss



Why do 3D movies require special glasses?



...



I can

- identify roots.
- use roots to understand a word's meaning and to write a new word.

## Roots and Root Words

Many words contain common roots that come originally from Greek and Latin languages. **Affixes** are added to the roots to make words you recognize in English. When you know the meanings of the roots and affixes, you can find the meaning of the word.

Root	Meaning	Origin	Examples
aud	to hear	Latin	audible, audition
duc/duct	to lead	Latin	conduct, educate
ject	throw	Latin	eject, rejection
techn	skill, art	Greek	technique, technological
tel	far off, distant	Greek	telephone, telescope
vid/vis	to see	Latin	video, vision

Read these sentences from the passage. Then write the root of the underlined word.

- The screens are designed to fill viewers' peripheral vision so they feel like they are part of the action. \_\_\_\_\_
- The reality and detail can be so vivid that people in the audience may develop motion sickness in scenes that show a great deal of movement. \_\_\_\_\_
- The movie projectors used in IMAX films are the most powerful projectors ever built. \_\_\_\_\_
- However, due to high costs and numerous production difficulties, no full-length feature film has ever been shot entirely in IMAX format. \_\_\_\_\_

# Learning About Language

Write words that contain the root *vid* or *vis* to fit these meanings.

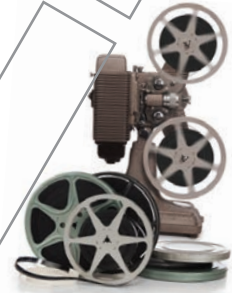
1. unable to be seen
2. something that shades or shields the eyes

\_\_\_\_\_

\_\_\_\_\_

The words in the box are made from the root word *duc*. Match the words with their correct meaning.

introduction   reduce   duct   producer



1. a person who leads a television show, film, or other broadcast
2. something that leads into something else
3. tube through which something is led
4. to make less

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Match the words on the left with the definitions on the right. Use the roots to help you decide a word's meaning.

1. auditorium
2. telescope
3. technology
4. evidence

- science of the industrial arts
- proof that something is true
- a tool used to see far away
- part of a building used for large meetings



# Write About It

## MY LEARNING GOALS

### I can

- write a movie review.
- express an opinion about a movie.
- use details to make my writing interesting.

Movie reviews are articles written by a person who has seen a movie. The author briefly describes what the film is about and then gives his or her opinion on it. The author may discuss special effects, music, actors and actresses, plot line, and dialogue. A movie review helps potential moviegoers decide if they would like to see the movie, too.

Think about a movie that you have seen recently. Write a movie review to tell other people what you thought about the film. Give details without giving away the ending of the movie.

## Plan My Writing

Fill in the blanks to help you plan your movie review.

Movie: \_\_\_\_\_

Where I saw it: \_\_\_\_\_

Format:      Traditional      3D      IMAX

What was it about? \_\_\_\_\_

\_\_\_\_\_

What I liked about it: \_\_\_\_\_

\_\_\_\_\_

What I didn't like about it: \_\_\_\_\_

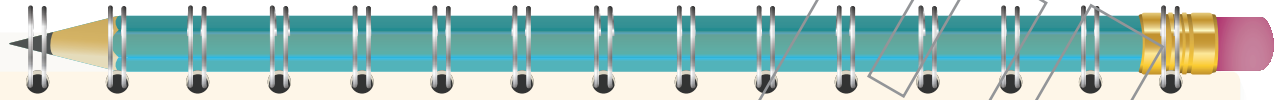
\_\_\_\_\_

Actors and Actresses: \_\_\_\_\_

Should other people watch it?      YES      NO



# Write About It



Recently, I watched \_\_\_\_\_.

I watched the movie at \_\_\_\_\_ in \_\_\_\_\_ format.

This movie tells about \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

It features \_\_\_\_\_ as \_\_\_\_\_

and \_\_\_\_\_ as \_\_\_\_\_

The worst parts of the movie were \_\_\_\_\_

\_\_\_\_\_

I didn't like \_\_\_\_\_

\_\_\_\_\_

The best parts of the movie were \_\_\_\_\_

\_\_\_\_\_

I really liked \_\_\_\_\_

\_\_\_\_\_

Are you thinking about watching this movie? I think you \_\_\_\_\_

Here's why: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_