

Name _____

Related Words

- **Generalization** Related words often have consonants that are spelled the same but pronounced differently: **music**c, **music**i**an**.

Word Sort Sort word pairs by the consonant that is pronounced differently.

c

1. _____

2. _____

3. _____

t

4. _____

5. _____

6. _____

7. _____

g

8. _____

9. _____

n

10. _____

Spelling Words

1. music
2. musician
3. select
4. selection
5. sign
6. signal
7. part
8. partial
9. haste
10. hasten
11. protect
12. protection
13. magic
14. magician
15. resign
16. resignation
17. electric
18. electrician
19. condemn
20. condemnation



Home Activity Your child is learning about related words that have consonants that are pronounced differently. Say and spell words aloud with your child, and ask your child to identify which consonant is pronounced differently.

Family Times

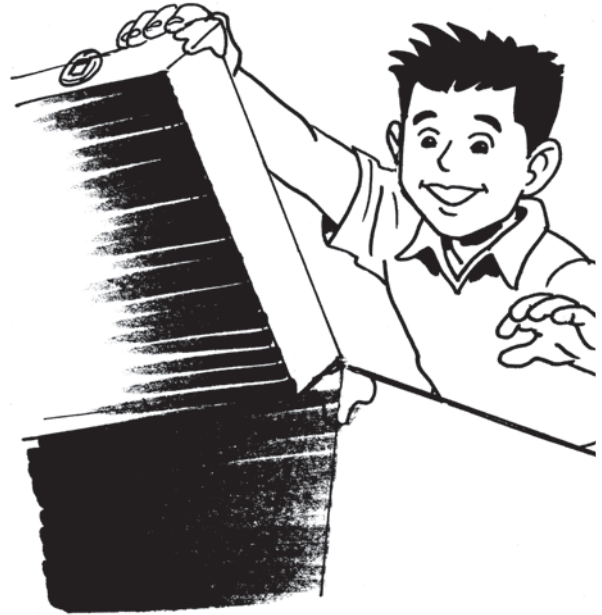
Summary

The Unsinkable Wreck of the R.M.S. Titanic

Seventy-four years after the *Titanic*'s tragic collision with an iceberg, two explorers took the mini-submarine *Alvin* two-and-a-half miles down to the ocean's bottom to view the wreck of the *Titanic*. They were the first people to ever see the wreckage. They found that the ocean floor was littered with personal items that serve to this day as a reminder of the accident.

Activity

Uncover Your History With a family member, dig through some boxes your family has stored in an attic or garage. If possible, ask a grandparent or older relative if you can explore his or her house. Try to determine the age of the items you find.



Comprehension Skill

Graphic Sources

Graphic sources include charts, tables, graphs, maps, illustrations, and photographs. Before you read an article, look closely at any graphic sources that accompany it.

Activity

Worth a Thousand Words Pick up a newspaper or magazine and flip through it until you come across a chart. With a family member, study the chart and the information it provides. Then, both of you make a guess as to what the article will be about. Read the article and see how close you came to being right.

Lesson Vocabulary

Words to Know

Knowing the meanings of these words is important to reading *The Unsinkable Wreck of the R.M.S. Titanic*. Practice using these words.

Vocabulary Words

cramped shut into a small space

debris scattered fragments; ruins

interior inner surface or part; inside

ooze a soft mud or slime, especially at the bottom of a pond or river or on the ocean bottom

robotic of or for a machine with moving parts and sensing devices controlled by a computer

sediment material that settles to the bottom of a liquid

sonar device for finding the depth of water or for detecting and locating underwater objects. Sonar sends sound waves into water, and they are reflected back when they strike the bottom or any object.

Conventions

Adjectives and Articles

An **adjective** is a word that modifies a noun or pronoun. It usually, but not always, comes before the noun it describes. When an adjective is used to modify a pronoun, it usually comes after the pronoun and follows a linking verb such as *is*, *was*, *look*, or *seem*. Most adjectives answer the questions *What kind?*, *How many?*, *How much?*, or *Which one?* The words *a*, *an*, and *the* are special adjectives called **articles**.

Activity

Whose News? Select a few sentences from a newspaper article. Circle all the adjectives in the text and number them. Next, create a numbered list with the same number of blank entries as the number of adjectives in the news article. Have a family member write one adjective on each blank. Now read the news article aloud, inserting the new adjectives where the old adjectives were. What kind of story does the article tell now?

Practice Tested Spelling Words

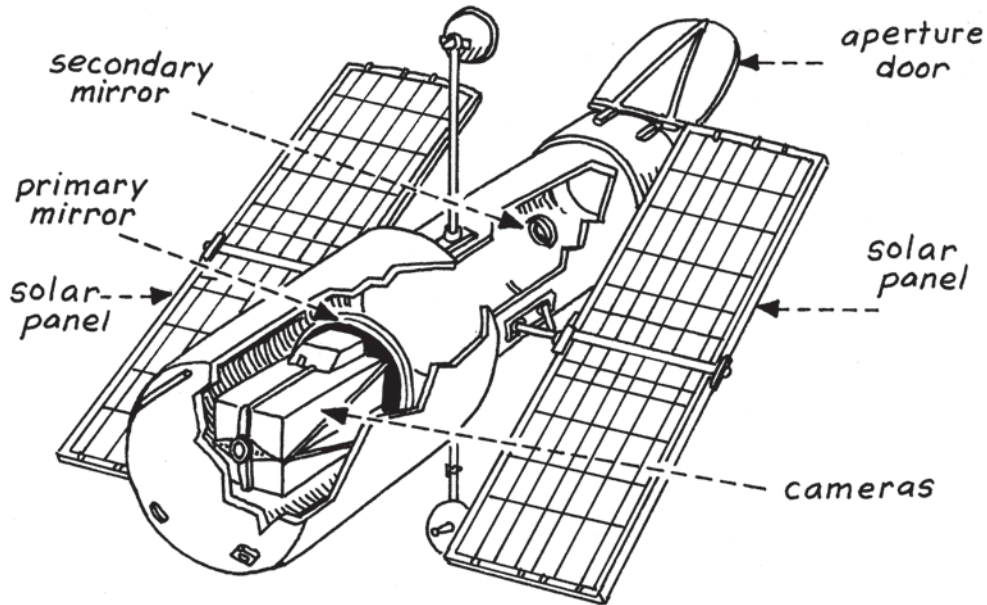
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Graphic Sources

- **Graphic sources** include charts, tables, graphs, maps, illustrations, and photographs.
- Before you read, look closely at graphic sources that accompany a selection. They will give you an idea of what you will read.

Directions Study the illustration of the Hubble Telescope. Then answer the questions below.

The Hubble Telescope



1. How many solar panels are there on the Hubble Telescope?

2. Why do you think the Hubble Telescope might need an extra solar panel?

3. Where are the two cameras located on the Hubble Telescope?

4. Can you tell how big the Hubble Telescope is? Why or why not?

5. An *aperture* is an opening or hole that lets light into the lens of a camera. Why do you think the Hubble has a door to cover the aperture?

Name _____

Main Idea and Details

Directions Read the passage. Then answer the questions below.

NASA has developed many materials for astronauts that are later used in everyday products. A recent invention, thermoplastic polymers, are materials that become hard when cooled and soft when heated. Scientists at NASA use them as a protective covering on space vehicles, but they can also be used for purposes more

common than space flight. Thermoplastics are designed to protect against the sun's ultraviolet rays, so they could have many uses. They could be used as a coating for outdoor statues, other art pieces, and house paint. They could also be used to protect the delicate parts of radios and CD players from the sun's heat.

1. What is the topic of the passage?

2. What is the main idea of the above passage?

3. What is one detail that supports the main idea?

4. What is another detail that supports the main idea?

5. Write a summary of the passage in one or two sentences.

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Home Activity Your child read a short passage and identified its main idea and details. Read a newspaper or magazine article with your child and have him or her identify the main idea and details in the article.

Adjectives and Articles

Directions Choose an adjective from the box to complete each sentence.

hollow	Greek	strange	deep-sea
several	five	4,500	

1. *Bathys* is a _____ word meaning “deep,” and a *sphere* is a globe or ball.
2. The bathysphere was the first _____ machine that took people far beneath the waves.
3. This _____ steel ball, which weighed _____ pounds, was raised and lowered by a cable.
4. It was about _____ feet in diameter and was fitted inside with oxygen tanks.
5. Divers reported news of the _____ animals they saw via a telephone cable to a ship on the surface.
6. _____ creatures had never been seen by humans before!

Directions Think about what you would like to see on a visit to the ocean floor. Write a sentence to answer each question below. Use adjectives and articles and underline them.

7. How far down would you travel?

8. What equipment would you take?

9. What would you look for?

10. What do you think it would look like?



Home Activity Your child learned how to write adjectives and articles correctly. Ask your child to write a paragraph describing what it is like to move under water. Have him or her circle adjectives and articles used.

Name _____

Related Words

Spelling Words

music	musician	select	selection
sign	signal	part	partial
haste	hasten	protect	protection
magic	magician	resign	resignation
electric	electrician	condemn	condemnation

Scrambled Words Unscramble the list words and write them on the line.

1. giciaanm 1. _____
2. ngsial 2. _____
3. orttepncio 3. _____
4. ciisamnu 4. _____
5. astnhe 5. _____
6. gciam 6. _____
7. treeлиц 7. _____
8. steah 8. _____
9. repoctt 9. _____
10. ings 10. _____
11. triilaccnee 11. _____
12. mondcen 12. _____

Hidden Words Each of the smaller words can be found inside two of the list words. Write the list words that contain the smaller words.

- | | | |
|--------|-----------|-----------|
| elect | 13. _____ | 14. _____ |
| sign | 15. _____ | 16. _____ |
| art | 17. _____ | 18. _____ |
| nation | 19. _____ | 20. _____ |

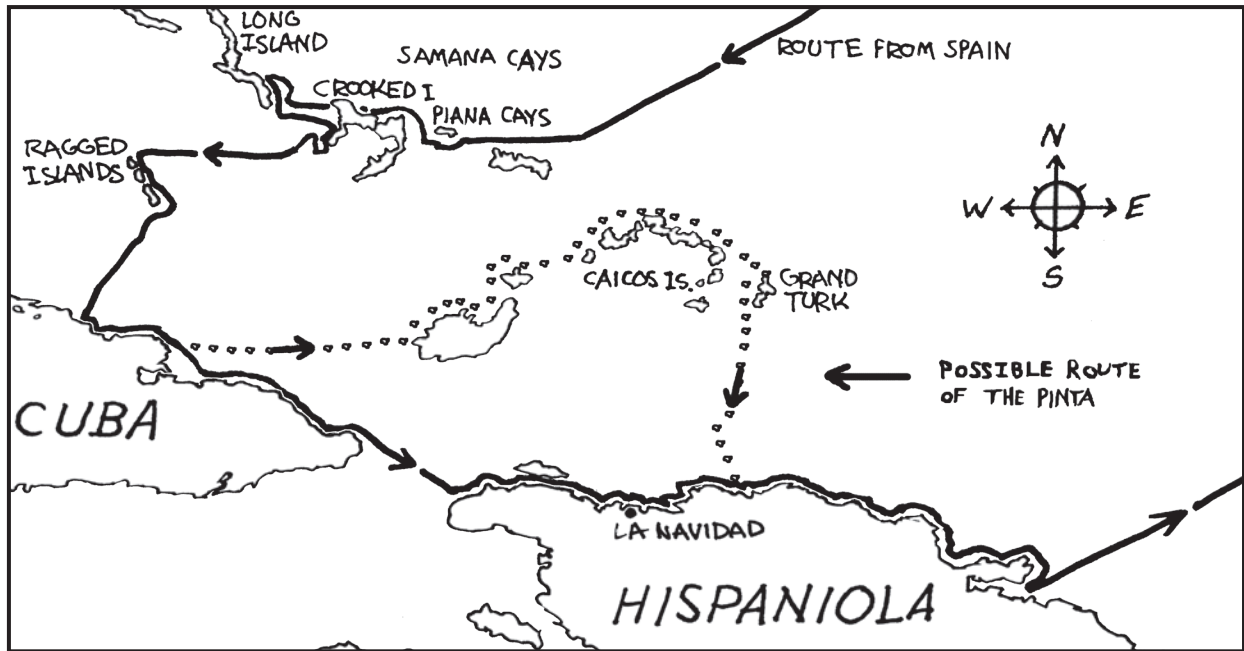


Home Activity Your child has unscrambled related words. Ask your child to scramble two list words and see if you can unscramble them.

Graphic Sources

Directions Study the map. Then answer the questions below.

Columbus's First Voyage to the Americas



1. Where did Columbus land first, Ragged Islands or La Navidad?

2. What direction did Columbus travel after he reached the first island?

3. What was the name of the island Columbus departed from to return to Spain?

4. What do you think the arrow pointing off the right side of the map means?

5. What does the dotted line in the map represent?



Home Activity Your child examined graphic sources and answered questions about them. Help your child draw a map of how your family gets from your house to a friend's house.

Name _____

Adjectives and Articles

Directions Underline the articles and circle the adjectives in each sentence.

1. Huge icebergs break off the vast ice near Greenland.
2. One iceberg can be a dangerous object for ships at sea.
3. They look like beautiful islands, but they hide treacherous ice beneath the surface.
4. Most pilots keep a sharp lookout for icebergs.

Directions Write *what kind*, *how many*, or *which one* to tell what question each underlined adjective answers about a noun.

5. Many people enjoy going on cruises. _____
6. In 1912, trans-Atlantic travel required a ship. _____
7. Cruising was not the main reason for getting on board. _____
8. Those passengers were entertained royally. _____
9. There was plenty of rich food and drink. _____

Directions Write *a*, *an*, or *the* in the blank to complete each sentence. Choose the article that makes sense and follows the rules for articles.

10. They dressed for dinner almost _____ hour before it was served.
11. Mrs. Astor was escorted to her table by _____ captain.
12. _____ elegant glass dome rose over the grand staircase.
13. Fine linen, china, and silver gleamed upon _____ tables.
14. This glamour would all be gone in _____ few short hours.
15. But for now, the room was _____ magical place.
16. It was _____ most special spot in the world.



Home Activity Your child reviewed adjectives and articles. With your child, read an encyclopedia article about the *Titanic*. Ask your child to point out adjectives and articles in at least one paragraph.