

Name _____

- Use context clues to determine the meaning of the boldfaced Vocabulary Word in each sentence. Then write the Vocabulary Word that completes each analogy.

The scientist made a **breakthrough** that led to advances in space travel.
The **satellite** orbited Earth twice each day.
The **cosmonaut** set a record for the most time spent at a space station.
Shawn **disregarded** his fear of heights and went ahead with flight training.
Sara **enrolls** in space camp this spring so she can attend this summer.
Rocket fuel is made from special **formulas** designed to provide a lot of power.
The **altimeter** showed that the spacecraft was 100 miles up in space.
When the launch was canceled, the crew left the spacecraft **dejectedly**.



1. *Happy* is to *cheerfully* as *sad* is to _____.
2. *Racetrack* is to *race car* as *orbit* is to _____.
3. *American* is to *astronaut* as *Russian* is to _____.
4. *Temperature* is to *thermometer* as *height* is to _____.
5. *Ingredients* are to *recipes* as *elements* are to _____.
6. *Listened* is to *heard* as *ignored* is to _____.
7. *Fails* is to *passes* as *drops* is to _____.
8. *Important* is to *significant* as *discovery* is to _____.

- Answer each question, and give a reason for your answer. Use a Vocabulary Word in your answer.

9. What scientific **breakthrough** would you most like to be made next?

10. Is the expense of sending a **satellite** into space worthwhile?

- Read the paragraph. Then circle the letter of the best answer to each question.

The *Sputniks* were a series of satellites launched by the former Soviet Union. *Sputnik 1* was launched on October 4, 1957. This lightweight satellite lasted only until early 1958, when it fell back to Earth and burned. Yet it would be hard to exaggerate its importance. *Sputnik 1* began the Space Age and the massive efforts of the United States to catch up to its rival. Many *Sputniks* were to follow in the next few years. *Sputnik 2* carried the dog Laika, the first creature in space. Eight other *Sputniks* gathered volumes of information on space.

- 1 What conclusion can you draw about why *Sputnik 1* was so important?
- A** It found out lots of information about space.
B It was launched by the former Soviet Union.
C *Sputnik 1* was the first satellite to orbit Earth.
D It carried a dog into space.

**Tip**

Make sure to draw your conclusion based on information on *Sputnik 1*, not other *Sputniks* in the program.

- 2 What evidence supports the conclusion that the *Sputnik* program was successful?
- F** *Sputnik 2* carried a dog into space.
G Many *Sputniks* orbited Earth and gathered data.
H Eight *Sputniks* are orbiting Earth and collecting data.
J More *Sputniks* will soon be launched.

**Tip**

Remember to base your answer on information in the text as well as what you may already know about the topic.

- 3 Which conclusion can you draw about the effect of *Sputnik 1* on the United States?

- A** *Sputnik 1* didn't have much of an effect on the United States.
B *Sputnik 1* caused the United States to begin a huge space program.
C *Sputnik 1* interested many students in the United States.
D *Sputnik 1* caused the United States to begin exploring the oceans.

**Tip**

The former Soviet Union and the U.S. were bitter rivals when the *Sputnik* program began. This knowledge should help you answer the question.

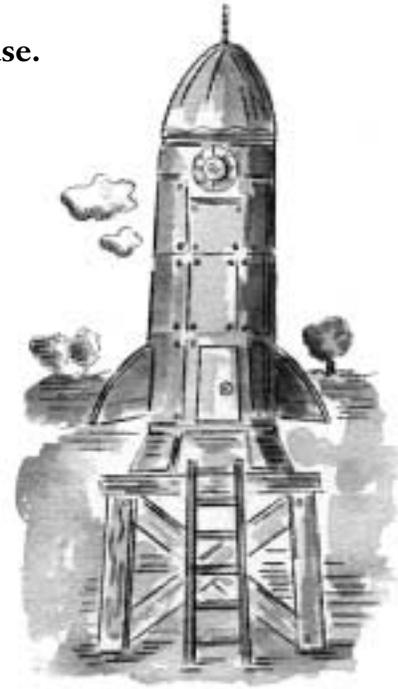


SCHOOL-HOME CONNECTION Discuss space exploration with your child. Share any memories you have of important events in space.

Skill Reminder • An **adjective phrase** is a prepositional phrase that modifies a noun or a pronoun. An adjective phrase tells *what kind, how many, or which one*. • An **adverb phrase** is a prepositional phrase that modifies a verb, an adjective, or another adverb. An adverb phrase tells *how, when, where, to what extent, or how often*.

► Underline each adjective phrase. Circle each adverb phrase.

1. Many of the cosmonauts were Russian.
2. They trained with great diligence.
3. The cosmonauts practiced routine maneuvers before the launch.
4. They became experts in weightless environments.



► Write the phrase in each sentence. Label the adjective phrases *adj* and the adverb phrases *adv*. Tell which word the phrase modifies.

5. The cosmonauts gathered on the launch pad.

6. They waved to the nervous spectators.

7. Many of the spectators held their breath.

8. Then everyone in the observation area cheered.



Continue the account of the launch. Use at least one adjective phrase and one adverb phrase in your account.

Skill Reminder

• The spelling and pronunciation of a base word often changes when a related word is formed. • To spell a related word, divide it into syllables and look for familiar spelling patterns.

Spelling:
Related Words

► Fold the paper along the dotted line. As each spelling word is read aloud, write it in the blank. Then unfold your paper, and check your work. Practice spelling any words you missed.

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____
13. _____
14. _____
15. _____
16. _____
17. _____
18. _____
19. _____
20. _____

SPELLING WORDS

1. *real*
2. *reality*
3. *precise*
4. *precision*
5. *similar*
6. *similarity*
7. *conserve*
8. *conservation*
9. *sign*
10. *signature*
11. *family*
12. *familiar*
13. *satisfy*
14. *satisfactory*
15. *commerce*
16. *commercial*
17. *define*
18. *definition*
19. *reduce*
20. *reduction*

