

Name _____

Words with Schwa

- **Generalization** In many words, the schwa in an unaccented syllable gives no clue to its spelling: **jewel**, **factory**, **garage**, **tropical**.

Word Sort Sort the list words by words you know how to spell and words you are learning to spell.

words I know how to spell

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

words I am learning to spell

11. _____

12. _____

13. _____

14. _____

15. _____

16. _____

17. _____

18. _____

19. _____

20. _____

Spelling Words

1. jewel
2. kingdom
3. gasoline
4. factory
5. garage
6. tropical
7. pajamas
8. estimate
9. tomorrow
10. humidity
11. Chicago
12. bulletin
13. carnival
14. illustrate
15. elegant
16. census
17. terrific
18. celebrate
19. operate
20. celery



Home Activity Your child is learning about the sound of schwa. Name three words from the list and ask your child to tell you which sound in each word is the schwa.

Name _____

Family Times

Summary

The Fabulous Perpetual Motion Machine

The Pérez Twins, Carla and Carlos, are determined to win this year's science fair. Because they are fabulous, they definitely don't want to do anything boring. What could be less boring than a machine that needs no power and *never stops*? Gathered together with parents, a reporter, and their friends Larry and Effie, they give their perpetual motion machine a test run to make sure it works. The machine does seem to run forever, but with one small problem—everything in the house that runs on electricity stops working! The fabulous twins lose no time looking for another fabulous project to enter in the science fair.

Activity

People throughout history have come up with ideas for inventions that aren't possible. Think of a crazy invention that would help you and your family if only you could make it work. The more fantastic it is, the better! Either draw a diagram of your machine with labels for the different parts, or write a description about what it does and how it works.

Comprehension Skill

Sequence

Sequence is the order in which the events of a story or article take place, from first to last. Clue words such as *first*, *next*, and *then* may show sequence, but not always. Other clues are dates and times of day. Sometimes two events happen at the same time. Clue words that show this are *meanwhile* and *in that same year*.

Activity

Look up a recipe in a cookbook. Then write what the directions told you to do *first*, *next*, and *last*. Why is the order of the directions important when following a recipe?

Lesson Vocabulary

Words to Know

Knowing the meanings of these words is important to reading *The Fabulous Perpetual Motion Machine*. Practice using these words.

Vocabulary Words

applauds shows approval by clapping hands, shouting, etc.

browsing looking here and there

fabulous wonderful; exciting

inspecting looking over carefully; examining

project a special assignment planned and carried out by a student or group of students

Conventions

Past, Present, and Future Tenses

Present tense verbs show action that is happening now. *For example: walk, bounce, talk.* **Past tense** verbs show action that happened in the past. Most past tense verbs are formed by adding *-ed* to the present tense. *For example: walked, bounced, talked.* **Future tense** verbs show action that will happen in the future. Future tense verbs are formed by adding the word *will* or a form of *is going to* to the present tense. *For example: will walk, will bounce, is going to talk.* Some verbs, however, do not follow the usual past tense rules. These verbs are called **irregular verbs**, and their past tense forms must be memorized. *For example: fly/flew; eat/ate; write/wrote.*

Activity

Verb Verse Work with a family member to write a poem using the past tense, present tense, and future tense of the same verbs. Be as creative and clever as possible. Perform the poem for other family members.

Practice Tested Spelling Words

| | | | |
|-------|-------|-------|-------|
| _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ |

Name _____

Sequence

- **Sequence** is the order in which events take place, from first to last.
- Clue words such as *first*, *next*, and *then* may show sequence in a story or article, but not always. Other clues are dates and times of day.
- Sometimes two events happen at the same time. Clue words that show this are *meanwhile* and *in that same year*.

Directions Read the passage. Then answer the questions below.

I watched Judge Roberts walk up and down the rows of projects at the school science fair. First, he looked at all the fourth grade projects, inspecting them for about five minutes each. Then, he studied all the fifth grade projects, including mine. When he finished, he went over and whispered in our science teacher's ear. As

Judge Roberts walked back toward the projects, my hands started to sweat. Then he pulled two blue ribbons from his coat. He hung the fourth grade ribbon on Jeanne Peacock's project. Then he hung the fifth grade ribbon on my project. I was so excited I almost hugged him.

1. What was the first thing that Judge Roberts did?

2. If there were six fourth grade projects, about how long did Judge Roberts spend inspecting those projects?

3. Whose project got the first blue ribbon?

4. In the story, what two events happen at the same time? What word tells you this?

5. What clue words do you recognize in the story that helped explain the sequence of events?



Home Activity Your child has read a fictional passage and studied the sequence in which the events occurred. Ask your child to explain his or her morning routine in sequence using clue words to help put things in the proper order.

Name _____

Cause and Effect

Directions Read the following passage. Then answer the questions below.

Do you know anyone who has had polio? There's a reason why you probably don't. Jonas Salk, M.D., led a team of scientists that developed a vaccine against the crippling disease. Every summer during the 1940s and 1950s, thousands of children became infected with polio. Every summer parents were anxious and afraid. Polio also affected adults. For example, President Roosevelt came down with polio as an adult.

In 1955, Americans received the news of Dr. Salk's success. It made him famous overnight. Dr. Salk said the vaccine he discovered belonged to everyone. Therefore, the vaccine was made available to people around the world. The disease began to disappear.

1. Why do you think you do not know anyone who has had polio?

2. Every summer in the 1940s and 1950s, thousands of children became infected. What effect did this have on parents?

3. What made Dr. Salk famous overnight?

4. Dr. Salk said the vaccine he discovered belonged to everyone. What effect did that have? Which word helped you identify the effect?

5. Explain the effects of a new vaccine.



Name _____

Past, Present, and Future Tenses

Directions Underline the verb or verbs that use the wrong tense. Write the correct tense.

1. Last year, Teresa made a fascinating science project. It shows the ice in Antarctica. Teresa demonstrates the ice shrinking. When the projects were judged, Teresa won first place.

2. We will work on our project next week. I discuss my ideas with my group. It will be interesting to hear everyone’s ideas. _____
3. The play is about an amazing invention. It describes a very useful machine. Today’s inventors were creative. _____

Directions Replace each underlined verb with the verb in the correct tense. Use the correct tense to make the order of events clear. Write the paragraph.

4. People begin using electrical power in the 1800s. 5. Edison invent the electric light. 6. Today, everyone depend on electricity. 7. People used electricity for work and play. 8. In the future, the demand for electrical power increase.

Directions Pretend that you have created an invention that will change the world. Write a paragraph about how you came up with the invention, what it does, and how it will change the future.



Home Activity Your child learned how to use present, past, and future tenses in writing. With your child, talk about an activity he or she completed, an ongoing activity, and a future activity.

Words with Schwa

Spelling Words

| | | | | |
|----------|----------|-----------|------------|----------|
| jewel | kingdom | gasoline | factory | garage |
| tropical | pajamas | estimate | tomorrow | humidity |
| Chicago | bulletin | carnival | illustrate | elegant |
| census | terrific | celebrate | operate | celery |

Categorize Write the list word that completes each group.

- | | |
|--|-----------|
| 1. New York, Los Angeles, Boston, _____ | 1. _____ |
| 2. car, mechanic, car lift, _____ | 2. _____ |
| 3. assembly line, plant, workshop, _____ | 3. _____ |
| 4. diamond, sapphire, ruby, _____ | 4. _____ |
| 5. chic, classic, smart, _____ | 5. _____ |
| 6. counting, poll, survey, _____ | 6. _____ |
| 7. stalk, vegetable, green, _____ | 7. _____ |
| 8. draw, explain, show, _____ | 8. _____ |
| 9. guess, approximate, _____ | 9. _____ |
| 10. run, control, drive, _____ | 10. _____ |

Words in Context Write the list word that completes each sentence.

- | | |
|---|-----------|
| 11. The _____ has rides, games, and performers. | 11. _____ |
| 12. It's not the heat, it's the _____. | 12. _____ |
| 13. Do not put off for _____ what you can do today. | 13. _____ |
| 14. A _____ is ruled by a king or queen. | 14. _____ |
| 15. Before I go to bed, I change into my _____. | 15. _____ |
| 16. We _____ Flag Day on June 14. | 16. _____ |
| 17. Florida has a _____ climate. | 17. _____ |
| 18. That was a _____ skateboard move! | 18. _____ |
| 19. A news _____ cut in on our television show. | 19. _____ |
| 20. Most cars are still powered by _____ fuel. | 20. _____ |



Name _____

Sequence

- **Sequence** is the order in which events take place, from first to last.
- Clue words such as *first*, *next*, and *then* may show sequence in a story or article, but not always. Other clues are dates and times of day.
- Sometimes two events happen at the same time. Clue words that show this are *meanwhile* and *in that same year*.

Directions Read the following passage. Then write the order of events in the chart and answer the question.

The Space Elevator will be a revolution in space travel! Once it is built, space travel will be clean, safe, and affordable to everyone. No fuel will be used, so there will be no pollution from emissions. The space elevator will also be safe because, instead of launching and landing, it will work like a ski lift. Preparations will begin soon. First, scientists will build one huge pulley on the ground and another

one up in space. Next, cables that run between the pulleys will be attached to cars as big as buses. Then, Earth's gravity and rotation will turn the pulleys around and around sending the cars into space. Finally, the Space Elevator will be ready to take people into space. While the Space Elevator is being built, Motion, Inc. will be making reservations for future space tourists.

| | |
|------------|--|
| 1. First | |
| 2. Next | |
| 3. Then | |
| 4. Finally | |

5. What will be happening at the same time that the Space Elevator is being built? What clue word shows you this?



Home Activity Your child used a graphic organizer to identify sequence in a short passage. Have your child use the sequence words *first*, *next*, *then*, and *last* to write a short paragraph describing how to do an activity that he or she enjoys. Discuss the sequence of events he or she wrote about.

Name _____

Past, Present, and Future Tenses

Directions Identify the tense of each underlined verb. Write *past*, *present*, or *future*.

1. You will enjoy this book about inventions. _____
2. Inventors create new machines. _____
3. Each machine does a different task. _____
4. In the past, people invented steam engines. _____
5. Later, other people made computers. _____
6. Today, inventors work on new energy sources. _____
7. They think of saving the environment. _____
8. Perhaps they will succeed someday. _____
9. I will invent a bed-making machine. _____
10. It will save me much work. _____

Directions Rewrite each sentence twice. First, change the underlined verb to past tense. Then change it to future tense.

11. The computer is a useful invention.

Past: _____

Future: _____

12. We get information on computers.

Past: _____

Future: _____

13. Computers make our lives more productive.

Past: _____

Future: _____



Home Activity Your child reviewed past, present, and future tenses. With your child, list verbs that describe what your family does each day. Challenge your child to write the present, past, and future tenses of the verbs and use them in sentences.