# Changes

# hink & Sort 2. 5. 7.

### Connections to THINKING

### Read the spelling words and sentences.

| 1. migrate        | migrate       | Do all birds migrate?                   |
|-------------------|---------------|---|
| 2. instruct       | instruct      | Leah will instruct in music.            |
| 3. mathematics    | mathematics   | Algebra is part of mathematics.         |
| 4. abbreviate     | abbreviate    | Can you abbreviate state names?         |
| 5. erode          | erode         | The bare hillside will erode.           |
| 6. optic          | optic         | The <b>optic</b> nerve goes to the eye. |
| 7. abbreviation   | abbreviation  | The abbreviation for Texas is TX.       |
| 8. erosion        | erosion       | Grass can stop erosion.                 |
| 9. clinic         | clinic        | Jen is working at the clinic.           |
| 10. migration     | migration     | The geese started their migration.      |
| 11. optician      | optician      | I'm going to see the optician.          |
| <b>12.</b> race   | race          | We belong to the human race.            |
| 13. collect       | collect       | I will collect seashells.               |
| 14. hibernate     | hibernate     | Many bears hibernate in winter.         |
| 15. clinician     | clinician     | My doctor is a clinician.               |
| 16. instruction   | instruction   | Miguel takes piano instruction.         |
| 17. collection    | collection    | Is this your collection of games?       |
| 18. hibernation   | hibernation   | The bear went into hibernation.         |
| 19. racial        | racial        | There is racial harmony here.           |
| 20. mathematician | mathematician | You could be a mathematician.           |

### Think & Sort the spelling words.

**1–20.** Write the meaning-based pairs. Think about how the spelling changes when the suffix is added.

### Remember

When a suffix beginning with **i** is added to a base word, the final consonant sound of the base word and the letter may change. The suffix **-ion** can change a verb to a noun.

Spelling Tutor



### Connections to VOCABULARY

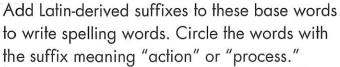
### Unit 19

### **Word Meanings**

Write the spelling word that most closely matches each definition. Use the **Spelling Dictionary** to check your answers.

- 1. a person who sells eyeglasses
- 2. sleep for a long time
- 3. a particular group of people
- 4. gather
- 5. teach
- 6. wear away





- 7. hibernate + ion
- 8. collect + ion
- 9. clinic + ian

- 10. race + ial
- 11. migrate + ion
- 12. abbreviate + ion



### Use the Dictionary

In a dictionary, an entry word is divided into syllables the way it should be divided for writing. Sometimes the respellings are divided differently than the entry words. For example, the word **optician** looks like this:

op • ti • cian /op tish' ən/

Write the spelling word for each dictionary respelling below. Then, using your **Spelling Dictionary**, draw a line between the syllables to show how each word is divided as an entry word.

- 13. /klĭn′ ĭk/
- **14.** /ĭ rō′ zhən/
- 15. /ŏp′ tĭk/
- **16.** /măth' ə **măt**' ĭks/
- 17. /ĭn strŭk' shən/
- 18. /math' ə mə tish' ən/
- 19. /ə brē' vē āt'/
- 20. /mī' grāt'/

#### **Word Meanings**

- 1.
- 3.
- 4.
- 5.
- 6.

#### **Use Suffixes**

- 7.
- 8.
- 9.
- 10.
- 11.
- 12.

#### **Use the Dictionary**

- 13.
- 14.
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- 18.
- 19.
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| ord Categorization |
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### Connections to READING

instruct mathematician race hibernation migration

| optician clinic<br>abbreviation erode<br>instruction mathematic   |   | migrate<br>abbreviate<br>erosion               | collection   |  |  |
|---|---|--|--|--|--|
| Word Categorization Write the spelling word that  |   | ach group.                                     |  |  |  |
| 1. math, mathematics,   | _ 5.  | clinic, clinica                                | ıl,  |  |  |
| <b>2.</b> race,, racially   | 6.  | collect, collec                                | cted,  |  |  |
| 3. optic, optical,  |   | migrałe, mig                                   | rating,  |  |  |
| <ol><li>hibernate, hibernating, _</li></ol>   | 8.  | erode, erodir                                  | ng,  |  |  |
| Use Antonyms The underlined word or phra Write the spelling word that Spelling Dictionary to check 9. Rather than stay in cold 10. You a lot of stuff the 11. It is easier to , but the name of the company | completes exyour answer<br>weather, monat you shou<br>in your pap | ach sentence. rs. uny birds<br>uld get rid of. | Use your<br>_ south.   |  |  |
| Make Inferences Write the spelling word that best completes each sentence.  |   |  |  |  |  |
| <b>12.</b> Some animals all sources are scarce.   | winter when   | food   | 1-1-1  |  |  |
| <b>13.</b> Our family is part of the  | Asian   |  | 1 TAIL   |  |  |
| 14. If you don't feel well, you   |   | <del></del> 0                                  |  |  |  |
| <b>15.</b> What is the for <b>ge</b>  |   |  | The transport of the same of t |  |  |
| <b>16.</b> The coastline is beginning to after last year's storms.  |   |  |  |  |  |
| 17. I can't find the ma   |   |  |  |  |  |
| 18. We will study algebra in  |   |  |  |  |  |
| <b>19.</b> An eye doctor can tell yo  | ou what the   | nerve c  | does.  |  |  |
| <b>20.</b> Did the e-mail vou   | to get to the   | e meetina by                                   | noon?  |  |  |



### Proofread a Paragraph

Proofread the paragraph for ten misspelled words. Write the spelling words correctly and make the corrections indicated by the proofreading marks.

How many times have you heard people say, "I never use math. I don't know why I have to study it. I don't want to be a mathmatician." Have these people been in hibernasion for the last hundred years? Mathmatics is an important part of life. We used it when we cook, when we shop, and when we check the time. an antiques dealer uses math to put a value on a colection. If you colekt comic books, you use math to figure out how much you spend each year. An optision uses when ordering your glasses. A carpenter uses it to read or write an instrucsion manual for building a cabinet.

A scientist uses it to measure bird migrashion and to check the rate of land eroshion. A bookkeeper at a clinick uses math to figure your bill. When do you use math?

#### **Proofreading Marks**



/ Make Lowercase

∧ Add

Delete

Add a Period

¶ Indent



### **Informative/Explanatory Writing**

### Write a Paragraph

Write or type a paragraph that tells how you and people you know use math. Use as many spelling words as you can.

- Use the writing process: prewrite, draft, revise, edit, and publish.
- First, write an introduction that explains your topic. Include specific facts and details to inform your reader.
- Order your sentences logically and use a variety of sentence structures. Make sure you include transition words such as *first*, next, and *for example*.
- Use correct capitalization, punctuation, grammar, and spelling.
- Read your paragraph. Circle three words that may be misspelled. Use a dictionary to check the spelling.

### **Transfer**

Write three pairs of spelling words that show a consonant change when a suffix is added.
Circle the sound that changes. Write the words in your Spelling Journal.

## Extendestransfer

# Word? Study

| attern Power |
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election
estimate
estimation
instruct
instruction
mathematics
mathematician
race

racial
migration
optician
clinic
clinician
abbreviation
erode
migrate
optic

abbreviate
collection
collect
erosion
hibernate
hibernation
communicate
communication
decorate

decoration connection object inspection objection inspect connect

#### **Pattern Power**

Write the word with the suffix. Circle the letter(s) that changes sound.

- 1. clinic, clinician
- 2. race, racial

- 3. instruct, instruction
- 4. abbreviate, abbreviation

### **Base Words**

Write the base words for each of these words. Circle the base word whose final consonant letter changes when the suffix is added.

- 5. abbreviation
- 8. erosion
- 11. election

- 6. hibernation
- 9. decoration
- 12. optical

- 7. migration
- 10. estimation
- 13. connection

**Word Building** 

The suffixes **-ion**, **-ian**, **-ial** have been incorrectly added to the words below. The result is a list of nonsense words. Choose the correct suffixes and write the spelling word correctly.

- 14. objectial
- 16. racion
- 18. clinicion

- 15. inspection
- 17. decoratial
- 19. estimatial

### **Social Studies**

# Wordflunt

Read the paragraphs below. Look for words in which a consonant sound changes when a suffix is added.

Katherine Sui Fun Cheung was the first Chinese American woman to earn a pilot's license. Cheung moved to the United States in 1921 when she was 17 years old. It was her intention to study music, and she was a very good musician.

Cheung wanted to learn to drive a car. One day while her father was teaching her to drive, she fell in love with airplanes at a nearby airfield. She was determined to fly.

Not long after that, Cheung left college. She married George Young, who was open-minded like Cheung's father. He and Cheung made the decision that she would keep her family name, as many Asian women do when marrying. He also believed that Cheung should learn to fly.

In 1932 Cheung's cousin took her for a ride in his plane. She was fascinated. She soon took flight instruction. In a short time, she earned her pilot's license. She also learned to do stunts and became a performer at air shows.

In 1936 Cheung became a United States citizen. Then she got a commercial pilot's license and an international license. Today we recognize Cheung for her contributions to her culture and to flying.



- 1. 2.
- 3.
- 4.
- 6.
- 7.
- 8.



**1–8.** To show that consonant sounds often change when suffixes are added, match each word below to a word in the article.

intend

instruct

recognition

music

fascination

contribute

decide

commerce