

Connections to

THINKING

Read the spelling words and sentences.

1. indices	<i>indices</i>
2. memorandum	<i>memorandum</i>
3. alumni	<i>alumni</i>
4. phenomenon	<i>phenomenon</i>
5. stimulus	<i>stimulus</i>
6. data	<i>data</i>
7. analyses	<i>analyses</i>
8. curriculum	<i>curriculum</i>
9. index	<i>index</i>
10. criterion	<i>criterion</i>
11. alumna	<i>alumna</i>
12. criteria	<i>criteria</i>
13. stimuli	<i>stimuli</i>
14. analysis	<i>analysis</i>
15. datum	<i>datum</i>
16. memoranda	<i>memoranda</i>
17. curricula	<i>curricula</i>
18. alumnus	<i>alumnus</i>
19. phenomena	<i>phenomena</i>
20. alumnae	<i>alumnae</i>

We studied several types of **indices**.
 Proofread the **memorandum** carefully.
 We are all **alumni** of state schools.
 We focused on the odd **phenomenon**.
 The dog responds to a **stimulus**.
 You can present the **data** in chart form.
 The two **analyses** differed.
 We offer music in our new **curriculum**.
 Many nonfiction books have an **index**.
 Which **criterion** is most important?
 My sister is an **alumna** of that school.
 We selected her based on five **criteria**.
 Bells and lights are the usual **stimuli**.
 Here is my **analysis** of that movie.
 One wrong **datum** ruined the results.
 Save all the **memoranda** on that topic.
 The **curricula** at those schools differ.
 Dad is an **alumnus** of Park School.
 We witnessed awesome **phenomena**.
 Pam and I are **alumnae** of Ivy College.

Think & Sort the spelling words.

1–20. Write each pair of singular and plural nouns.

Remember

Words from foreign languages often have unusual plural spellings.

**Spelling
Tutor**

Word Meanings

Write a spelling word to match each definition.

1. an item of information
2. a female graduate
3. a male graduate
4. in-depth studies and reports
5. things that cause reactions
6. particular courses of study, all in different, specialized fields
7. notes to remind
8. standards
9. more than one index
10. male graduates

Word Groups

Write a spelling word to complete each group.

11. females, graduates, reunions, _____
12. message, note, reminder, _____
13. table of contents, preface, bibliography, _____
14. marvels, occurrences, happenings, _____
15. business subjects, science major, course, _____

Use the Thesaurus

The following synonyms for spelling words are given in the **Writing Thesaurus**. Write the spelling word to which each list of synonyms applies.

16. event, happening, incident, marvel, miracle, occurrence, wonder
17. evidence, facts, information, statistics
18. model, norm, rule, standard, test, yardstick
19. examination, investigation
20. cause, impetus, motive

Word Meanings

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Word Groups

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Use the Thesaurus

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Connections to READING

Answer the Questions

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Complete the Analogies

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Use Context Clues

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alumna	alumnae	alumni	alumnus	stimulus
stimuli	analyses	analysis	phenomena	indices
criteria	criterion	index	phenomenon	datum
data	curricula	curriculum	memoranda	memorandum

Answer the Questions

Write the spelling word that answers each question.

1. What could you call in-depth discussions about news events?
2. Which word means "a female graduate"?
3. What might you call one specified fact?
4. What are the bells and buzzers that dog trainers use?
5. If you write a "memo," what are you writing?
6. Which word describes lists of topics found at the back of books?
7. On what standard might you base an important decision?
8. What could you call an unexpected tornado?
9. What describes the process of separating a subject into parts and studying those parts?
10. What term, which actually means "male graduates," is used today for both male and female graduates?

Complete the Analogies

Write the spelling word that best completes each analogy.

11. **Cooking** is to **recipes** as **teaching** is to _____.
12. **Alumnae** is to **alumna** as **alumni** is to _____.
13. **Building** is to **directory** as **book** is to _____.
14. **Games** is to **strategies** as **decisions** is to _____.
15. **Note** is to **notes** as **memorandum** is to _____.

Use Context Clues

Write spelling words from the box to complete the paragraph.

Maria Mitchell (1818–1899) was an American astronomer who studied sunspots, eclipses, and other solar 16.. While gathering 17. for a government survey, Mitchell discovered a comet. Later, as a professor at Vassar College, she developed a radically new 18. in astronomy, which provided the 19. for many Vassar College 20. to pursue a career in astronomy.

phenomena
alumnae
data
curriculum
stimulus

Proofread a Conversation

Proofread the conversation below for ten misspelled words. Then rewrite the conversation. Write the spelling words correctly and make the corrections indicated by the proofreading marks.

Mr. Gates called his staff into his office. "Did you all get the memmerandum about today's meeting? Good. We are here to discuss the analasis of our recent alumnii telephone survey. ¶ Tonya, can you tell us about the criterea that were used?" Tonya began, "The first critereon was /ampus appearance. One alumnas I phoned said that we should beautify the landscape as a stimulas for more people to visit. In fact, according to the dayta we gathered, many of our alumni would like more stimulii such as landscaping and architectural improvements."

Pablo interjected, "You're so right! I've noticed quite a fenomenan around Sparrow Lake this year. Ever since we planted the rose garden, the number of visitors has doubled!"

Proofreading Marks

≡	Make Uppercase
/	Make Lowercase
^	Add
~	Delete
◉	Add a Period
¶	Indent

Narrative Writing

Write a Conversation

Write a conversation between two people talking on the telephone about a particular issue. Select or invent two characters.

- Choose the topic that they will discuss.
- Write the conversation between them.
- Use as many spelling words as you can.
- Proofread your paper for errors in spelling, grammar, capitalization, and punctuation.
- Use a print or online dictionary to check spelling if you are not sure.

Transfer

Think of three more plural words with unusual spellings. Write the words in your Spelling Journal.

Extend & Transfer

Word Study

Meaning Mastery

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Pattern Power

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bacteria	alumna	analysis	parentheses	index
bacterium	alumnae	analyses	parenthesis	indices
datum	data	memoranda	memorandum	alumni
alumnus	stimulus	stimuli	criterion	criteria
curricula	curriculum	phenomena	phenomenon	addenda
addendum	hypothesis	hypotheses	synopses	synopsis
antennae	antenna	diagnosis	diagnoses	

Use words from the list above to complete these exercises.

Meaning Mastery

- 1-4. The Latin verb **alere** means "to nourish." A derivative, **al-**, means "pupil." Write the words that originate from **alere**.
5. Write the plural form of the word that originates from the Greek word **analysis**, meaning "to dissolve" or "to undo."
6. Write the plural form of the word that originates from the Greek word **phainein**, meaning "to show."
- 7-8. Write the words that name punctuation marks.

Pattern Power

Write the word pairs that follow each pattern.

9-18. singular **-um** → plural **-a**

19-20. singular **-ex** → plural **-ices**

Technology

Word Hunt

Read the passage below and look for irregular plurals and their singular forms.

Spirit and Opportunity are robot geologists investigating Mars. The rovers landed on the red planet in January 2004. They have been slowly trekking across the planet's surface for years, sending images and data back to scientists on Earth. They are looking for evidence that supports the hypothesis that there is or has been life on Mars.

A primary task of the rovers is to collect soil and rock samples and perform a variety of analyses. They are looking for clues about the past presence of water on Mars. Earlier in the mission, scientists on Earth would tell a rover which specimens to analyze. In the winter of 2010, NASA uploaded artificial intelligence software to Opportunity. This allows Opportunity to make its own decisions. The rover's computer system recognizes rocks that meet pre-programmed criteria. For example, a rounded shape might be one criterion.

Each rover has two antennae. One antenna sends and receives information in every direction. The other can rotate to beam information in a specific direction. The ability to move only the antenna—instead of repositioning the rover—helps the rover conserve energy. The rovers are also equipped with high-resolution cameras that photograph Mars phenomena, including soil, rocks, and dust. Photos are also transmitted to Earth.

Both rovers were carefully sterilized before their launch. Scientists did not want to send earthly bacteria to the red planet. Any foreign bacterium could jeopardize the research.

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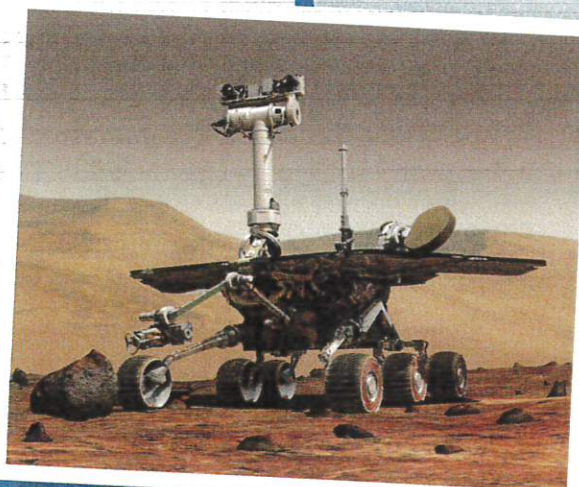
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WORD SORT

1–4. Find and write the singular words that have irregular plural forms.

5–10. Find and write the irregular plural words.