

# Vocabulary Two

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## Instructions

Take a look at the focus words below. Think about what each word means and how it is used. Then answer the questions after each word.

**Remember:** You *don't* have to understand every word in the example sentences.

**Focus words:** contain, constant, explain, method, include

### I. contain

1. Other metallic elements form ionic compounds that contain cations with c ranging from +1 to +3.
2. It is partly because all polymers **contain** a wide range of molecular lengths.
3. For example, the program file may **contain** a list.
4. To undo a transaction, the log must **contain** a copy of every database record.
5. The mixture may **contain** iron or other metals.
6. The numerator or the denominator both may **contain** a minus sign, so  $-1/2$ , or  $15/-32$ .
7. The box **contains** books and magazines.

What do you think the word **contain** means? Use a dictionary to help.

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Look at the sentences below. Do you think **contain** is being used correctly?

Circle your answer.

1. **Contain** the value of the y-variable.

yes                  no

2. What do think the mixture **contains**?

yes                  no

3. How many lines of code does the program **contain**?

yes                  no

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4. I want to **contain** the clothes in my bag.

yes                  no

5. **Contain** your answer in the table shown below.

yes                  no

6. Oil from the ground often may **contain** many other unwanted substances; therefore it needs to be refined before we can use it.

yes                  no

7. Use the examples on page 57 to **contain** you.

yes                  no

8. Your answer must **contain** each step that is shown in the example.

yes                  no

Write a sentence that uses the word **contain**. Use the examples above to guide you.

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### II. constant

1. Suppose that water is added to the flask so that the volume increases at a **constant** rate with respect to the time.
2. An aircraft is flying at a **constant** altitude of 10,000 meters with a **constant** speed of 600 kmh.
3. The falling object experiences a **constant** downward acceleration due to gravity.
4. Equal amounts of fuel are burned at **constant** volume and at **constant** pressure.
5. The speed of light is a **constant**.
6. Flooding is a **constant** problem in many countries.
7. The temperature is **constant** at 300 K throughout this process.

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What do you think the word **constant** means? Use a dictionary to help.

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What part of speech is **constant** in #5? \_\_\_\_\_

What part of speech is **constant** in the other examples? \_\_\_\_\_

Look at the sentences below. Do you think **constant** is being used correctly?

Circle your answer.

1. Assume that the gas is under a **constant** pressure.

yes                  no

2. The noise is a **constant** problem in the factory.

yes                  no

3. We want a **constant** color for the project.

yes                  no

4. You need to **constant** when you do your work.

yes                  no

5. The object will move at a **constant** velocity until another force acts upon it.

yes                  no

6. You must calculate the rate of change. Assume that temperature is **constant**.

yes                  no

7. To **constant** the value, you must assume the temperature does not change during the process.

yes                  no

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8. Design the system for both **constant** and changing volumes.

yes

no

Write a sentence that uses the word **constant**. Use the examples above to guide you.

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### III. explain

1. **Explain** the purpose of the unit hydrograph and explain how it might be applied in the analysis of a storm sewer design.
2. Define the term "acid rain" and **explain** how it occurs.
3. **Explain** why you agree or disagree with the following idea.
4. To get a good score, you need to **explain** each step in detail.
5. **Explain** how to modify the binary search tree to support this operation.
6. **Explain** how C-4 photosynthesis provides an advantage for plants in certain environments.
7. Sketch and **explain** the hydrologic cycle, labeling the parts as in Figure 3- 1.
8. Can you suggest a simple theory to **explain** the stability of a moving bicycle?

What do you think the word **explain** means? Use a dictionary to help.

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Look at the sentences below. Do you think **explain** is being used correctly?

Circle your answer.

1. **Explain** the results of your experiment in the space below.

yes

no

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2. You need to **explain** why you want work for them during the interview.  
yes                      no
3. It is a great website with an **explain** that is very cool.  
yes                      no
4. This method is used to explain how the two variables function.  
yes                      no
5. Your work needs to **explain**.  
yes                      no
6. In question 4a, **explain** how the mixture is changed by the temperature increase.  
yes                      no
7. Don't worry too much about the design, and just **explain** how the process works.  
yes                      no
8. How **explain** it occurs in steps one and two.  
yes                      no

Write a sentence that uses the word **explain**. Use the examples above to guide you.

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### IV. method

1. It is still a commonly used **method** of analysis for certain trace elements in liquid samples.
2. This **method** of evaluation is called short-circuit evaluation.
3. The **method** for forcing a program to stop varies from system to system.
4. This method is not as commonly used as atomic absorption or plasma emission spectroscopy.
5. Use Newton's **Method** to approximate the smallest positive solution of  $\sin x + \cos x = 0$ .
6. Some wind instruments, such as the flute, use a **method** similar to the organ.

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7. Finally, laser heat treatment has been developed as a powerful **method** for producing hard surfaces
8. One **method** is to build two separate binary search trees.

What do you think the word **method** means? Use a dictionary to help.

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Look at the sentences below. Do you think **method** is being used correctly?

Circle your answer.

1. This **method** is a good way to save time when doing the work.  
yes                  no
2. You need to **method** your practice before you start.  
yes                  no
3. It is a very common **method** of evaluation for new students.  
yes                  no
4. Could this **method** be used to improve the heat transfer in the circuit?  
yes                  no
5. **Method** the calculations first and then show your results on the next page.  
yes                  no
6. It is an excellent method for improving data transfer.  
yes                  no
7. They use an unusual **method** to solve this equation.  
yes                  no

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8. What is the **method** answer that you used to solve the equation?

yes                  no

Write a sentence that uses the word **method**. Use the examples above to guide you.

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### V. include

1. They **include** the largest animals and occur from ocean depths to mountain tops, from pole to pole.
2. Modern processes which are achieving substantial energy savings **include** the single-stage casting of thin wires.
3. Why would it be incorrect to **include** the velocity in the smaller pipe as an additional variable?
4. Finally, redefine the paymentDetails function to **include** all credit card information in the printout.
5. **Include** a loop that lets the user repeat this computation for new input values until the user says he or she wants to end the program.
6. Examples **include** fans, water pumps, windmills, and compressors.
7. Common examples **include** the swinging pendulum of a clock, a person bouncing on a trampoline, and a vibrating guitar string.

What do you think the word **include** means? Use a dictionary to help.

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Look at the sentences below. Do you think **include** is being used correctly?

Circle your answer.

1. Be sure to **include** all of the diagrams when you give me your project.

yes                  no

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2. These **include** any bacteria that are able to resist antibiotics.

yes                  no

3. It is a good idea to **include** a step-by-step list of instructions to help the students to understand.

yes                  no

4. He does not know **include** the work to solve the equations.

yes                  no

5. To **include** draw a diagram and then label each part clearly.

yes                  no

6. Many of the examples **include** information on how to solve the problem.

yes                  no

7. Write a function to **include** the information that is shown in Table 3.1.

yes                  no

8. When you **include** very carefully, write the procedure of the experiment.

yes                  no

Write a sentence that uses the word **include**. Use the examples above to guide you.

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**VII.** Choose **three** of the focus words and use them in a short paragraph.

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**VIII.** Look at the example sentences. What words come before and after each of the focus words? Put each word in a suitable category.

before the focus word	contain	constant	explain	method	include
noun					<b>fans</b>
verb					
preposition					
article					
other word types					

after the focus word	contain	constant	explain	method	include
noun					<b>examples</b>
verb					
preposition					
other word types					

**Are there any patterns that you notice?** Click [here](#) to see more examples of the focus words in use.

**What does the pattern tell you about how the focus word is used?**

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**IX.** Do the focus words have any other parts of speech? Complete the table. Not all focus words have all parts of speech that are shown in the table.

part of speech	contain	constant	explain	method	include
noun	<b>container</b>				
verb					
adjective					
adverb					