

Vocabulary One

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: **determine, access, consist, exert, involve, approach**

I. determine

1. This chapter will describe the conditions that **determine** what organisms live in a habitat.
2. **Determine** the value of ψ in the following equation.
3. This method is used to **determine** the velocity of an object.
4. This will give enough information to **determine** the voltage in the circuit.
5. Good planning is needed in order to **determine** the time and cost of the project.

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

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

Circle your answer.

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

yes no

2. You will need to **determine** the color of the mixture in the flask and record it in your results.

yes no

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3. If you **determine** the volume of water in the river, then you will be able to prevent flooding.

yes no

4. **Determine** the calculations carefully, and the experiment will be a success.

yes no

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

II. access

1. This will return a character that allows the user to **access** or to set any member of the private network.
2. Furthermore, suppose that we frequently need to **access** employee data.
3. They have been granted permission to **access** it. The second argument represents a property that we do not know.
4. To **access** these please go to: www.rnycodemate.com.
5. It was to allow products such as Microsoft Excel to **access** database data from a variety of DBMS products.

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

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

Circle your answer.

1. To **access** your personal information, log-on to the university website and go to the *student information* page.

yes no

2. You can **access** rice at the supermarket.

yes no

3. **Access** the equation below and show your work.

yes no

4. Staff often need to **access** information on the company website in order to do their work.

yes no

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

III. involve

1. Direct methods **involve** the actual measurement of the quantity of flow.
2. This example illustrates that comparisons should **involve** the second-law point of view.
3. Turbo machines **involve** the flow of fluid t blades or rotors.
4. You need to **involve** your students in the work more.
5. These processes may **involve** chemical treatment and filtration...

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

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

Circle your answer.

1. The process is complicated, and it may **involve** a lot of work.
yes no
2. The experiment may **involve** difficult calculations. Be careful and double-check your results.

yes no
3. **Involve** the distance from point a to point b.

yes no
4. The mixture needs to **involve** 25ml of blue dye.

yes no

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

IV. consist

1. The exam papers **consist** of 14 pages.
2. Conjugated polymers **consist** of alternating single and double bonds.
3. A system must **consist** of one or more phases.
4. Fats are relatively small molecules that **consist** of carbon.
5. The club is to **consist** of 10 people from different departments.

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

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

Circle your answer.

1. The system **consists** of three parts.
yes no
2. The program **consists** popular with many students.
yes no
3. What does the *fantasy* word **consist**?
yes no
4. The school year will **consist** of 9 months.
yes no

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

V. exert

1. This device is designed to **exert** a large force on the horizontal bar.
2. The airplane's engines **exert** a total thrust force T of 200-lbV magnitude.
3. What force does the water **exert** on the falling stone?
4. What resultant force does the container **exert** on the floor of the elevator during this acceleration?
5. When you sit down, you **exert** a force on the chair.

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

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

Circle your answer.

1. Gravity **exerts** a downward force on you while you are standing on the earth's surface.

yes no

2. The program has to **exert** many calculations.

yes no

3. During the experiment, you will need to **exert** a lot of heat on the mixture to get a reaction.

yes no

4. Calculate the tension that the man must **exert** on the rope in order to pull the boxes upward at a constant rate.

yes no

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

VI. approach

1. Another **approach** is to base decisions on general principles of ecology and conservation biology.
2. The second **approach** is to use sophisticated air pollution control equipment.
3. This **approach** to the desired result by repeated execution of some algorithmic steps is called iteration.
4. This **approach** is similar to the concept of fields discussed earlier in this chapter.

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5. There is a much simpler **approach** to this problem that will eliminate the difficulties described above.
6. Our **approach** to the properties of gases is to consider the effect of each gas molecule and then add up the effects of all the molecules.

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

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

Circle your answer.

1. The second **approach** is usually followed in engineering analysis.
yes no
2. This **approach** for works as long each gas molecule behaves independently.
yes no
3. The usual **approach** about this problem is to let each country be a vertex of a graph.
yes no
4. It is a comprehensive **approach** to the production of goods.
yes no

Write a sentence that uses the word **approach**. 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.

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

before the focus word	determine	access	consist	exert	involve	approach
noun						
verb						
preposition						
article						
other word types	that					

after the focus word	determine	access	consist	exert	involve	approach
noun						
verb						
preposition						
other word types	what					

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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?

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	determine	access	consist	exert	involve	approach
noun	determination					
verb						
adjective						
adverb						