

Vocabulary Three

5. The **material** in the atmosphere contains many different gases.

yes no

6. Examine the **material** that you buy to make your shirt closely.

yes no

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

II. describe

1. Draw an appropriate picture, and **describe** the basic idea of Newton's Method without using any formulas.
2. The vector field in part (a) might **describe** the velocity of the current in a stream at various depths.
3. To **describe** these situations, we need to generalize the concept of a graph.
4. Find the space angles that **describe** the direction of the force vector.
5. **Describe** how a very precise measurement can be inaccurate.
6. Chapters 5 and 6 **describe** the design of new databases.

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

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

Circle your answer.

1. This method is often used to **describe** how gravity affects a falling object.

yes no

2. Draw a diagram to **describe** the process.

yes no

3. You can **describe** the book at the library on the 5th floor.

yes no

Vocabulary Three

4. Measure the volume carefully and **describe** the color of the liquid in your notes.

yes

no

5. The program can be used to **describe** algorithms into the correct order.

yes

no

6. This chapter will **describe** how we can use Euler's work to solve these equations.

yes

no

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

III. design

1. As we have said already, they are suitable only for the first step of the **design** project.
2. However, the **design** was revised at a late stage because it was felt that it would be difficult and expensive to make.
3. Then the final **design** of the advertisement, integrating words and pictures, is put together.
4. The **design** of modern parachutes is based on aerodynamic concepts to improve maneuverability.
5. The **design** of a programming language is shaped by the success and failure of earlier **designs**.
6. This type of line linkage analysis permits routing **design** and analysis.
7. A robust **design** is one in which the product's function and performance are relatively insensitive to variations in **design** and manufacturing

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

What part of speech is **design**?

Vocabulary Three

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

Circle your answer.

1. In this project, you will need to **design** a process that will improve the production of vegetable oil.

yes

no

2. Civil engineers **design** anything from bridges to buildings.

yes

no

3. The **design** of the circuit was not very good because it became too hot after only a few minutes.

yes

no

4. The Earth's atmosphere **designs** many storms each year.

yes

no

5. Can you help me **design** my homework because I don't understand how to find the solution?

yes

no

6. The **design** was changed many times during the project.

yes

no

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

Vocabulary Three

IV. velocity

1. At low Reynolds numbers the coefficient of **velocity** may be quite small.
2. The most common flow measurements are pressure, rate of flow, and **velocity**.
3. The water from the outlet discharges into the atmosphere with a **velocity** of 50 m/s.
4. The inlet air **velocity** is $v_i = \text{velocity is } v_i = 480 \text{ m/s}$.
5. The particle need not necessarily be moving with constant **velocity**.
6. What is the **velocity** of a ball in miles per hour after an 800-ft drop ($88 \text{ ft/s} = 60 \text{ mi/h}$)?

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

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

Circle your answer.

1. What is the **velocity** of the satellite after 15 seconds of acceleration?

yes no

2. The **velocity** and pressure are two important factors in the equation.

yes no

3. What if we **velocity** the object before we start?

yes no

4. The particle will move at a constant **velocity**.

yes no

5. The **velocity** air is one thing that you must consider in your calculations.

yes no

6. **Velocity** is not the same thing as speed in physics.

yes no

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

Vocabulary Three

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

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

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	material	describe	design	velocity	provide
noun					
verb					
preposition				of	
article					
other word types					

Vocabulary Three

after the focus word	material	describe	design	velocity	provide
noun					
verb					
preposition					
other word types				may	

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?

Vocabulary Three

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	material	describe	design	velocity	provide
noun					
verb	materialize				
adjective					
adverb					