

Vocabulary Nine

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: calculate, complete, create, store, source, result

I. calculate

1. **Calculate** the amount of quick-lime and soda in ppm that would be required for softening the water.
2. **Calculate** the quantum yield of the reaction.
3. **Calculate** the energies of these two wavelengths in kilojoules per mole.
4. Write a computer program to **calculate** the dynamic and kinematic viscosities of air using Sutherland's equation.
5. Ohm's law can be used to **calculate** any voltages in the network.
6. How do we **calculate** the probability of finding stable nuclei below T_m ?

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

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

Circle your answer.

1. **Calculate** the density of methane at a temperature of 273.0 K and at a pressure of 101.325 kPa?

correct incorrect
2. Write a stored procedure to **calculate** support.

correct incorrect

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3. **Calculate** for the power required to operate the heat exchanger, neglecting entrance and outlet losses.

correct

incorrect

4. **Calculate** the value of the viscosity at 50 °C and compare with the value given in Table B.1.

correct

incorrect

5. Unfortunately, this is hard for **calculate** and would slow down quicksort considerably.

correct

incorrect

6. To maximize profit, he wants to **calculating** the diameter of the solid bar and the hollow tube.

correct

incorrect

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

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II. complete

1. So, we went from a **complete** line of allowed t values to just a grid, as shown in Fig. 3.6.
2. That is, the set of governing equations must be a **complete** or closed set of equations.
3. We can also use our conclusions about the algorithm to **complete** the proof of Hall's theorem.
4. Finishing cuts are used to **complete** the part and achieve the final dimensions, tolerances, and surface finish.
5. The force/extension curve for the **complete** assembly of three cords was obtained by multiplying the forces measured in the single cord by a factor of three.
6. **Complete** the proof of Theorem 2.6 by showing that if R is a partial order on a finite set S .

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

In examples 1, 2 and 5, what part of speech is the word **complete**?

In examples 3, 4 and 6, what part of speech is the word **complete**?

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

Circle your answer.

1. We will discuss it in detail in Chapters 5 and 6, where we will create a data model of a **complete** order and then design the database for that data.

correct incorrect
2. The time necessary about one **complete** cycle (a complete repetition of the motion) is called the period.

correct incorrect

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3. **Complete** the analysis of the sampling algorithm described at the end of Section 10.2.3.

correct incorrect
4. The **complete** from temperature-composition phase diagram is shown in Figure 12.15.

correct incorrect
5. In this case you first calculate the stream enthalpies to **completing** about the enthalpy row of the stream table.

correct incorrect
6. The nature of the process may cause the contractor to look for least expensive approaches to **complete** the project.

correct incorrect

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

III. create

1. A photograph is made with a camera by exposing film to light in order to **create** a negative.
2. Suppose that you have been hired by Morgan Importing to **create** a database application to track stores, purchases, shipments, and shippers.
3. **Create** a single-entity data model for this list.
4. Again, we must first **create** the database design tables from the data model entities, and then **create** the relationship.
5. What data were used to **create** the data set and what processes were applied to these sources?
6. **Create** an XML Schema for all artist data.

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

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

Circle your answer.

1. The goal for this programming project is to **create** a simple 2D predator-prey simulation.

correct incorrect
2. You only intend to **create** for objects of the derived classes.

correct incorrect
3. We recommend that you **create** on folder for each database in the Projects folder.

correct incorrect
4. **Create** a view called OrderSummaryView.

correct incorrect
5. The next step is for **create** the stream that will be used to read from the file.

correct incorrect
6. The second component is a flat cover that is attached to the first component to **create** an enclosed space for the machinery parts.

correct incorrect

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

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IV. store

1. One user may have used it to **store** the name spouse of the contact, another may have used it to **store** airplane models.
2. A third approach is to **store** data at the vertices of a binary tree.
3. But either way, it does seem to require the allocation of a large chunk of memory to **store** all these extra velocity data.
4. Most programs require the ability to **store** persistent data in the file system or to communicate with another process.
5. Many companies fail to properly **store** the design history of their drawings in a suitable fashion.
6. Thus, the cell that was last in the heap can be used to **store** the element that was just deleted.

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

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

Circle your answer.

1. It is clear that a table can be used to **store** these values.

correct incorrect
2. Many medicine labels inform the user to **store** the medicine below 30°C.

correct incorrect
3. The inventor can bookmark his most searched effects, and he can **store** about the suggestions in his computer.

correct incorrect
4. As before, we assume that at any point we have N records for to **store**.

correct incorrect

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5. There is only one way for the block-spring system to **store** from kinetic and potential energy.

correct

incorrect

6. The vibrating spring has an infinite number of ways to **store** its energy.

correct

incorrect

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

V. source

1. If the **source** is independent, the voltage between the two nodes is constrained by the value of the voltage **source**.
2. Hydrogen gas as a **source** of common fuel is not used in domestic or in industrial situations
3. This is a lot of extra work and a **source** of programmer errors.
4. Nuclear energy is the world's largest **source** of emission-free energy.
5. Hydraulic laboratories are often designed so that a **source** of water for experiments includes a constant-head tank located at a higher elevation than the laboratory floor.
6. According to the standard, an ODBC data **source** is the database and its associated DBMS, operating system, and network platform.

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

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

Circle your answer.

1. If the voltage **source** is dependent, it is treated as an independent source when writing the KCL equations.

correct

incorrect

2. The Data Provider also acts as a **source** of data to higher-level data manipulation components such as the DataSet.

correct

incorrect

3. Instead, plants rely on nitrate and ions as their **source** of nitrogen.

correct

incorrect

4. Evaporators are suitable where steam as a **source** of heat is readily available.

correct

incorrect

5. Determine the magnitude of the voltage **source**.

correct

incorrect

6. What is the **source** in energy in a galvanic cell?

correct

incorrect

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

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VI. result

1. The heat generated as a **result** of friction can cause damage.
2. This view is the **result** of two joins across the intersection table between CUSTOMER and ARTIST.
3. The **result** is a "chain" reaction that grows quickly to explosive proportions.
4. As a **result** you now have 23 chocolate bars and two leftover coupons.
5. Positive lever arms **result** in positive moments and clockwise rotations.
6. This **result** has been plotted out in Fig. 7.1.
7. The altered layer may **result** from work hardening (mechanical energy), heating (thermal energy), chemical treatment, or even electrical energy.
8. As a **result** of Earth's rotation, major wind patterns develop near the Earth's surface.

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

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

Circle your answer.

1. A significant memory leak can **result** for the program running out of memory and terminating abnormally.

correct incorrect
2. This **result** was proved independently in 1918 by the German scientist Heinz Priifer.

correct incorrect
3. As a **result** from, a small population of starfish can produce large numbers of larvae.

correct incorrect
4. So, the **result** of is the same in both cases.

correct incorrect

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5. In addition to these direct emissions, air toxins can **result** from chemical formation in the atmosphere.

correct

incorrect

6. As a **result**, most electric power is transmitted in polyphase circuits.

correct

incorrect

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

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	calculate	complete	store	source	result
noun					
verb					
preposition					
article					a
other word types					

after the focus word	calculate	complete	store	source	result
noun					
verb					
preposition					of
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.

	calculate	complete	store	source	result
noun	calculation				
verb					
adjective					
adverb					