

## Get ready!

(1) Before you read the passage, talk about these questions.

1 How has increased computer memory changed business?
2 When do people need to add more computer memory?

## ClearPic Troubleshooting Guide

Certain memory requirements are necessary to install and run ClearPic. Check that the computer has at least 500 MB of RAM available For optimal performance, make sure the computer's CPU has a bit size of at least 32 bits. It should run at a bus speed of 800 MHz .

There are several options to fix problems with limited memory. One, is to limit the number of programs running at the same time.

Another, is to increase the amount of RAM. First, determine whether your computer uses SIMMs or DIMMs. Make sure that the memory's bus speed matches that of the computer. Purchase the appropriate amount of RAM and attach it to the motherboard.

You can also increase your computer's virtual memory. This temporarily stores data on a paging file on the computer's hard drive. To add virtual memory, click on the "My

Computer" icon. Under "Properties," increase the maximum memory amount.


## Vocabulary

(3) Match the words (1-7) with the definitio (A-G).

| 1 | 5 MHz |
| :--- | :--- |
| 2 _ virtual memory |  |
| 3 | 6 _motherboard |
| 4 | 7 |

A where data that doesn't fit in the RAM is stc
B the main circuit board in a computer
C a unit of measurement that measures the speed of a CPU
D a data storage method that stores data on hard drive
E the smallest unit of computer data
F an memory module that sends up to 32 bits data to a CPU

Fill in the blanks with the correct words and phrases from the word bank.

## ord BANK

hard drive RAM bit size MB bus speed
1 The computer has a $\qquad$ of 64 bits.
2 The computer's CPU has a $\qquad$ of 800 MHz .
3 Increase the virtual memory to store data on the $\qquad$ .
4 This computer comes with 900 $\qquad$ of RAM.
5 Install additional $\qquad$ into the motherboard.
(3) Listen and read the troubleshooting guide again. What happens when a computer's virtual memory is made bigger?

## Listening

(-) Listen to a conversation between a customer and an employee of ClearPic. Mark the statements as true (T) or false (F).
1 - The customer's CPU is too slow to run the program.
2 - The employee advises the customer to buy more RAM.
3 - Increasing the virtual memory will increase the paging file size.
(1) Listen again and complete the conversation.

Employee: Well, 1 $\qquad$ To run ClearPic you really want to have at least 500 MB of memory.
Customer: So how can I fix that?
Employee: One easy way is to increase your computer's 2 $\qquad$ -.
Customer: What will that do?
Employee: It increases the paging file size. That way, your computer's 3 $\qquad$ can store more data.
Customer: I see. So 4 $\qquad$ do I increase the memory?
Employee: 5 $\qquad$ on the "My Computer" icon. Under "Properties", increase the

## Speaking

8 With a partner, act out the roles below based on Task 7. Then, switch roles.

## USE LANGUAGE SUCH AS:

How can I help you?
The program keeps freezing.
How can I fix that?

Student A: Your computer program keeps freezing. Talk to Student B about:

- the problem
- solutions
- increasing virtual memory

Student B: You are a support center employee. Answer Student A's questions.

## Writing

(9) Use the conversation from Task 8 to complete the receipt.

## ClearPic Support Center Receipt

## Customer

Issue:

Does computer have enough memory? Y/N

Advice given: Increase

How to do this:
1

2 $\qquad$

