

RAM vs ROM

Go to m.socrative.com and use room 98979

What does 'volatile' mean?

A. Dangerous

C. Violent

B. Requires power

D. Reactive

What is the purpose of RAM?

A. Storing current programs & data

C. Improving HDD access

B. Saving important files

D. Storing startup instructions

What is the purpose of ROM?

A. Storing current programs & data

C. Improving HDD access

B. Saving important files

D. Storing startup instructions

Which of these is true?

A. Both RAM & ROM are volatile

B. Both RAM & ROM are non-volatile

C. RAM is volatile & ROM is non-volatile

D. RAM is non-volatile & ROM is volatile

Which of these is true?

A. Adding more RAM will make your computer quicker

B. Adding ROM will make your computer quicker

C. Adding RAM will make your computer slower

D. Adding ROM will make your computer quicker

What does RAM stand for?

A. Rapidly Accessible
Memory

C. Really Awesome
Memory

B. Regal Aptitude
Memory

D. Random Access
Memory

What does ROM stand for?

A. Raw Ordinary
Memory

B. Read Only
Memory

C. Rapidly Ordered
Memory

D. Rambert-Orsney
Memory

What happens when you shut your PC down?

A. The contents of RAM are transferred to ROM

B. The contents of ROM are lost

C. The contents of RAM are lost

D. The contents of ROM are transferred to RAM

Objectives

- Understand the difference between RAM and ROM
- Understand what Caches, RAM and VM do

Criteria

- Get full marks on this quiz the second time
- Answer a GCSE Exam Question

Exam Question

(b) Some CPUs have cache memory.

(i) Describe what is meant by cache memory.

.....
.....
.....
.....

(ii) Explain why cache memory is needed.

.....
.....
.....
.....

[4]

Mark Scheme

Question Number	Answer	Max Mark
7(b)	<p>Describe:</p> <ul style="list-style-type: none">• A small block of very high speed memory...• ... acting as a buffer• ... between the CPU and the main memory• Stores data/instructions which are used frequently by the CPU <p>Explain</p> <ul style="list-style-type: none">• So the CPU does not have to access the main memory... <p>Which is slower than the cache</p>	[4]