

Q 8

1. For each of the following types of memory, tick whether they are primary or secondary storage

| Type of memory | Primary | Secondary |
|---------------------|---------|-----------|
| RAM | | |
| Hard disk | | |
| USB removable drive | | |

[3]

2. A type of memory that loses the data stored when the power is lost is known as what type of memory? Fill in one circle

- ☐ Volatile ☐ Primary
☐ Non-volatile ☐ Secondary
- [1]

3. Put the following types of storage into order of how quickly data can be accessed from them.

| Registers | Flash drive | Cache | Hard disk drive | RAM |
|-----------|-------------|-------|-----------------|-----|
| _____ | | | | |
| _____ | | | | |
| _____ | | | | |
| _____ | | | | |
| _____ | | | | |

Fastest

Slowest

[5]

4. When a computer has no more space left in RAM it can use space on the hard disk as if it were RAM. This is called what?

_____ [1]

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RAM, ROM & Virtual Memory - Questions

5. As primary storage, ROM is volatile memory. Fill in one circle.

- ☐ True ☐ False
- [1]

6. Fill in the text below with the words beneath.

_____ is made using _____. As capacitors slowly lose their charge, they have to be constantly refreshed. This is why it is called _____. _____ (SRAM) is much faster and uses _____. It needs power, but doesn't need to refresh.

[5]

transistors static memory capacitors dynamic DRAM

7. For each of the following types of memory, tick whether they are primary or secondary storage

| Type of memory | Primary | Secondary |
|-------------------|---------|-----------|
| ROM | | |
| Solid State Drive | | |
| Cache | | |

[3]

8. What development in storage technology has allowed small, portable devices to be built that no longer need moving parts.

_____ [1]

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