**3.3 Memory and data storage**

**class\_\_\_\_\_\_\_\_\_\_\_ name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

1. There are two types of RAM: dynamic RAM (DRAM) and static RAM (SRAM).

Write down the features of each type

DRAM

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SRAM

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2. Describe the differences between RAM and ROM.

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3. Computer memories are measured in terms of the number of bytes.

(a) (i) What is meant by the term byte?

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(ii) What is meant by a Gigabyte?

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(b) Flash memories and CD-RWs are used as backing media for computers.

Give two differences between these two media.

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4.(a) Describe **two** differences between Blu-ray discs and DVDs.

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(b) Describe **two** differences between DVD-R and DVD-RAM.

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5. Describe the main differences in the way the following back up systems store data:

-Memory sticks

-CD-RW(writers)

-Hard disk (drive)

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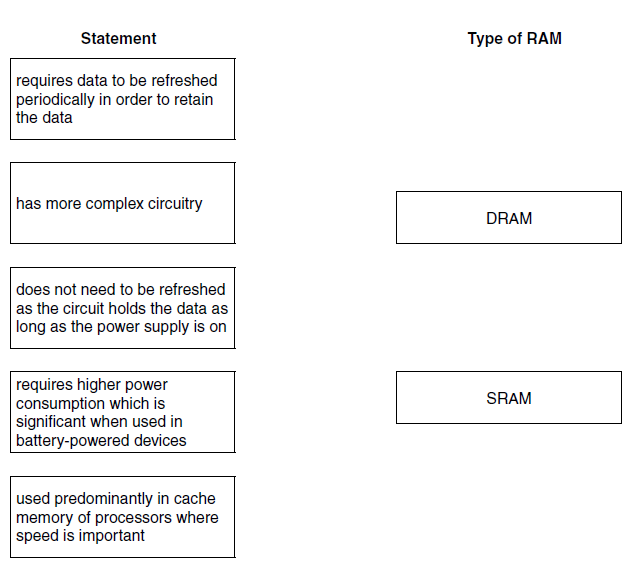
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**6 (a)** There are two types of RAM: dynamic RAM (DRAM) and static RAM (SRAM).

Five statements about DRAM and SRAM are shown below.

Draw a line to link each statement to the appropriate type of RAM.



**(b)** Describe **three** differences between RAM and ROM.

**(c)** DVD-RAM and flash memory are two examples of storage devices.

Describe **two** differences in how they operate.

**7 (a)** Examples of primary and secondary storage devices include:

• hard disk

• DVD-RW

• flash memory

For each device, describe the type of media used.

Hard disk

DVD-RW

Flash memory

**(b)** Describe the internal operation of the following devices:

DVD-RW

DVD-RAM