### Secondary Storage Technologies CLICK [HERE](http://www.teach-ict.com/gcse_new/computer%20systems/storage_devices/miniweb/index.htm) FOR NOTES

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Storage Device** | **Features** | **Capacity (Size of Memory)** | **Speed** | **Portable** | **Durability**  **(How long it lasts)** | **Reliability** |
| External Hard Disk http://ecx.images-amazon.com/images/I/61NUfGpfi5L._SL1500_.jpg |  |  |  |  |  |  |
| **Magnetic tape backup**  tape1 |  |  |  |  |  |  |
| **CD-ROM**  cd4 |  |  |  |  |  |  |
| **CD-RW**  cdrw2 |  |  |  |  |  |  |
| dvd4**DVD** |  |  |  |  |  |  |
| **Flash Memory Stick**  cruzer_micro_21 |  |  |  |  |  |  |
| http://www.bhipltd.co.uk/media/catalog/product/cache/4/image/800x800/9df78eab33525d08d6e5fb8d27136e95/g/p/gps_speed_sd_card_x_3.jpg  **SD Card** |  |  |  |  |  |  |
| **Cloud stotage** |  |  |  |  |  |  |
| http://www.blogcdn.com/www.engadget.com/media/2007/01/sandisk-ssd-uata-5000-6.jpg  **ssd** |  |  |  |  |  |  |

### Selecting the right device

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| Here is a list of some computer applications. By each application write down the name of the storage device which would be most suitable for the application. |
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| |  |  | | --- | --- | | A multimedia "book". |  | | Storing a program to be used in an embedded system in a video recorder. |  | | Taking backups of a hard disk drive. |  | | Copying files from a computer at home to a computer at school. |  | | An employee wants to access work from anywhere and via any computing device |  | | Make up your own |  | | Make up your own |  | | Make up your own |  | | Make up your own |  | |

Maybe challenge your friend?

### Starter

Complete the blanks using words from the list.

You should use each word only **once**.

**backup tape erased read**

**backing media WORM compact**

**hard read/write cartridges serial**

1. **\_\_\_\_\_\_\_\_\_** storage is used to store programs and data when they are not being used or when a computer is switched off.
2. Magnetic \_\_\_\_\_\_\_\_\_\_, floppy disks, and \_\_\_\_\_\_\_\_\_\_ disks are all types of backing storage \_\_\_\_\_\_\_\_\_\_.
3. Magnetic tape comes in reels or \_\_\_\_\_\_\_\_\_\_\_\_\_\_. It is used to make \_\_\_\_\_\_\_\_\_\_\_\_\_ copies of programs and data. Magnetic tapes allow only \_\_\_\_\_\_\_\_\_\_\_\_\_ access to data.
4. CD-ROMstands for \_\_\_\_\_\_\_\_\_\_\_\_\_ disk \_\_\_\_\_\_\_\_\_\_ only memory. A CD-ROM can store approximately four hundred times more data than an ordinary 3½ inch floppy disk. Data stored on a CD-ROM cannot be changed or \_\_\_\_\_\_\_\_\_\_\_\_\_.

\_\_\_\_\_\_\_\_\_\_\_\_\_ disks are a special type of compact disk that are supplied blank and can have data written or ‘burned’ onto them using special \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ CD drives.

### Reasons for Secondary Storage

What reasons can you think of for needing Secondary Storage technology?

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