Madia	
Media	Use
Floppy Discs	Any use where small files such as word processing, small spreadsheets
	and databases need to be moved from one computer to another. Useful to
	backup small data files.
Fixed hard	Used to store operating systems, software and working data. Any
discs	application which requires very fast access to data for both reading and
	writing to. Not for applications which need portability. Used for on-line and
	real time processes requiring direct access. Used in file servers for
	computer networks.
Portable hard	Used to store very large files which need transporting from one computer
discs	to another and price is not an issue. More expensive than other forms of
	removable media
Magnetic	Any application which requires extremely large storage capacity and
tapes	speed of access is not an issue. Uses serial access for reading and
	writing. Used for backups of file servers for computer networks. Used in a
	variety of batch processing applications such as reading of bank cheques,
	payroll processing and general stock control
Optical	CDs tend to be used for large files (but smaller than 1Gb) which are too
backing	big for a floppy disc to hold such as music and general animation. DVDs
storage media	are used to hold very large files (several Gb) such as films. Both CDs and
such as CDs	DVDs are portable i.e. they can be transported from one computer to
and DVDs	another. Both can be used to store computer data.
CD ROM/DVD	Applications which require the prevention of deletion of data, accidental or
ROM	otherwise. CDs used by software companies for distributing software
	programs and data; by music companies for distributing music albums and
	by book publishers for distributing encyclopaedias, reference books etc.
	DVDs used by film distributors.
CD R/DVD R	Applications which require a single 'burning' of data, e.g. CDs - recording
	of music downloads from the Internet, recording of music from MP3
	format, recording of data for archiving or backup purposes. DVDs -
	recording of films and television programs.
CD RW/DVD	Applications which require the updating of information and ability to record
RW	over old data. Not suitable for music recording but is very useful for
	keeping generations of files. DVDs have between five and ten times the
	capacity of CDs.
Solid state	Physically the smallest form of memory, used as removable storage. More
backing	robust than other forms of storage. More expensive than other forms but
storage	can be easily written to and updated.
DVD-RAM	Same properties as DVD RW but quicker access and data can be
	overwritten more easily. Similar to floppies in nature but has 3000 - 6000
	times more storage and uses optical technology
Blu-ray	Capacities of 25Gb, 50Gb and 100 Gb. Used for storing films (movies).
	25Gb equates to 2 hrs HDTV, 13hrs standard definition TV. It is possible
	to playback video on a disc while simultaneously recording HD video. (Will
	be) used for storage of PC data.
HD DVD	Capacities of 15Gb, 30Gb and 45 Gb. Less capacity than Blu ray. Used
	for storing films (movies). (May be) used for storage of PC data.
Memory sticks	Can store up to many Gb. Used to transport files and backup data from
Pen drives	computer to computer
Flash memory	Used in digital cameras, palmtops, mobile phones, MP3 players
cards	
Minidisk	Magneto optical method or writing data. Used for storing music. Can
(Hybrid media)	store up to 140Mb.

## 3 Storage Devices and Media