

1.11 Inside a computer

A. Processors and memory

chips

dual core

megabytes

megahertz

motherboard

processor

speed

upgraded

The "brain" of a computer is the 1 _____. Most of these are made by Intel and AMD, and are sometimes referred to as "2 _____". The fastest processors are 3 _____, which means that there are two processors working together. The 4 _____ of a processor is measured in 5 _____, which is usually written as MHz.

A computer's memory is measured in 6 _____. If a computer has 1,024 megabytes of memory, and the memory type is SDRAM, this is written as 1,024 MB SDRAM, and is pronounced "a thousand and twenty-four megabytes ess-dee-dram".

The processor and memory modules are located on the 7 _____. Changing a computer's processor is not generally practical, but the memory can usually be 8 _____.

B. Power

disconnect

fan

mains electricity

overheating

shock

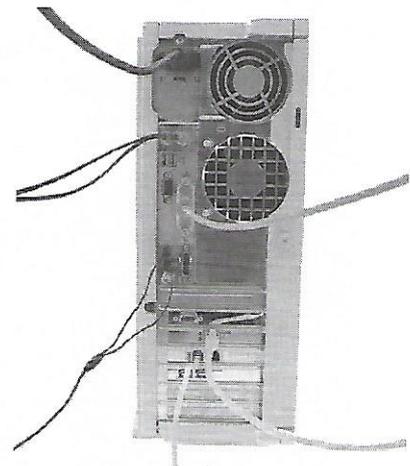
spikes

supply

surge protector

transformer

1. Laptops are powered by batteries or _____.
2. Mains electricity is converted to lower voltage by a _____.
3. A _____ protects electronic equipment from damage caused by power _____.
4. If you remove the cover from a computer, make sure you _____ the electricity _____. Otherwise, you may get an electric _____.
5. The computer is cooled by a _____. This prevents the processor from _____.



1.12 Data storage

burn

capacity

card

drawer

eject

free space

hard drive

stick

1. The data and applications on your computer are stored on the _____.
2. To run this application you need at least 50MB of _____ on your hard drive.
3. My computer's hard drive has a _____ of 120GB.
4. Do you like this CD? I can _____ you a copy if you want.
5. The opposite of "Insert the DVD" is "_____ the DVD".
6. I can't eject the CD. I think the _____'s stuck.
7. Digital cameras usually store pictures on a memory _____ or a memory _____.



Which do you think is the best solution for each problem? (More than one solution is possible for some of problems.)

1. I want to make a copy of a music CD.

2. I want to store some files. I may need to update them in the future.

3. I want to back up data from my computer. I want to update it every day.

4. My computer's having problems with reading and writing CDs.

5. I want to add 100MB of extra storage to my computer.

6. I want to send a copy of a small file to a friend. He has an old computer.

7. My computer's running slowly.

a. You need an external hard drive.

b. Use a CD-R.

c. Try a USB flash drive.

d. Perhaps you need a new internal CD drive.

e. Put them on a CD-RW.

f. Perhaps you need to defragment the hard drive.

g. You could put it on a floppy disk.

