1. Difference between Serial, Parallel and USB ports. (vis-à-vis Physical Appearance and Data Transfer Speed i.e. bits) and overview of computer CPU.
2. Factors that make the Internet affect our daily life (Distance, Social)
   - ISPs - defined
   - Freedoms, Liberties and other Legal Items regarding the Internet

* Review last classes topics (h/w, s/w, networking, internet, www, gateway, monitor types, computer organization (mono/component), cables, colors/pixels, difference btw disk & drives).

1. Quick review of some hardware components:

   * printer or other computer accessories **ports** could be
     - Parallel: Larger in size. Like 2*13 matrix holes. Parallel ports normally are about two or four times faster than serial ports. Unless distance requires the use of a serial port, use the parallel port for best performance.
     - USB: Fastest and very portable (small).

   * Note that power cables should be plugged last. Check input voltage to ensure its fine for your area. 110v-240v.

   * Look at fig 1.9 and 1.10 on page 14 of your Fluency book to see a simple layout of the CPU. (Motherboard (printed circuit or PC board), Microprocessor (smart part of the Motherboard), Memory (where computer programs and its data are located when running...such data could be sequentially and randomly accessed.), Hard disk (high capacity storage device) etc. )

2. * ISPs: A utility that connects private and business computers to the Internet and also provide other web-based or intranet (local network) services. We’ll talk about two basic methods of connecting a computer to the Internet shortly.

We can connect to the Internet using LAN, Phone line (using modem), Cable or Wireless Connection.
*How has the internet affected your life?

Distance factors:
Business, relationships, cultures are not limited to physical limitations such as distance anymore. Because of the internet (and previously telephones) we can do things down the street, or across the globe.

Social Factors:
The internet is cheap, thus allowing us to want to reach out to other people that are far away without having to dial long distance, or fly around the world.

Social relationships are now changing, before a formal letter, written in nice handwriting on high quality paper was the way to conduct transactions. Today, a simple e-mail (sometimes with misspelled and un-capitalized words) is accepted and considered the norm.

Social factors are being eliminated, why would you wait in line at a store to buy a product you can order online? No dealing with people (if you are nervous about that sort of thing), no waiting in line, no time constraints (do it at 2 AM), and it comes right to your door, so no traveling.

The English language is becoming almost universal, why? Americans and British scientists were the first to use and embrace the technology. Therefore a lot of the first web sites, and internet locations were in English. Other scientists didn’t want to be left out, so they learned English (if they didn’t know it) and started to publish in English. It also may be that Americans would not change for anyone, but I digress.

 Freedoms, Liberties, and Other Legal items:
The First (and other) amendments must be looked at in a new light now. I doubt the Constitution framers saw this coming.

What is free speech? Does free speech extend to the web?
Remember that the freedom to punch someone in the nose ends at the other person’s nose.

Personal freedom vs. breaking the law is a hot topic.

Copyright issues.