

**How many people are online?**

As of Sept. 2002: an educated guess suggests:

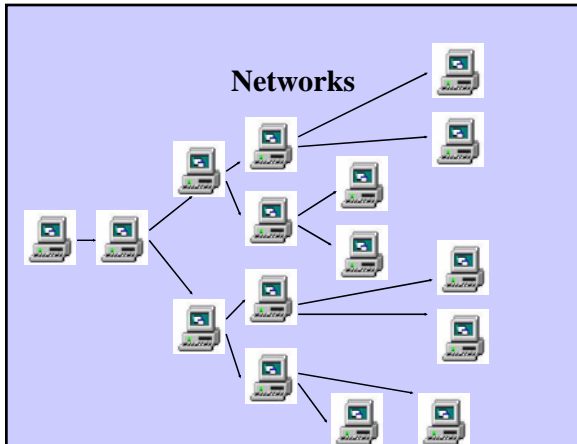
- World Total: 605.6 million
- Africa: 6.31 million
- Asia/ Pacific: 187.24 million
- Europe: 190.91 million
- Middle East: 5.12 million
- Latin America: 33.35 million
- Canada & USA: 182.67 million

Over 40% of US adult population (16 and over) are Internet users

- 115 e-mail messages sent and received in average household per week
- 50 e-mail messages sent by an average office worker per day, 200 or more may be received
- 1 billion pages on the web
- 3 million pages added to Web each day
- 6 months for pages to be added to search engines
- 83% of Web sites have commercial messages; 1.7% have pornographic material
- 60% of people admit they lie about their age on cybersex web sites

**What is the Internet**

- **The Internet is a way to communicate between two different computers**
- **There must be some kind of a connection between the computers**
- **Two common types**
  - Phone & cable lines -- home
  - Networks -- school and businesses



**Types of Computers on Internet**

<p><b>Individual computers</b></p> <ul style="list-style-type: none"> <li>• Home</li> <li>• School</li> <li>• Some businesses</li> </ul>	<p><b>Servers or Host computers</b></p> <ul style="list-style-type: none"> <li>• Where information is stored</li> <li>• Computers that actually connect you to web</li> </ul>
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### Who is on the Internet?

- **Governments -- agencies, military, individuals (President, representatives, etc.)**
- **Universities and Colleges**
- **Businesses**
- **Libraries**
- **School Districts**
- **Individuals -- 180 million, most recent stat.**

### Home and School Internet Use

#### Home

- E-mail -- sending and receiving messages to friends and family
- Chat rooms -- talking with people from around the world
- “Surfing” -- exploring the internet with no specific purpose

#### School

- Research
- Collecting data
- Multicultural information
- Graphics and media
- **Searching with a purpose**
- Students not allowed to send and receive e-mail at school

### World Wide Web (WWW)

Only one part of Internet  
Where people spend most of their time

### URL -- Universal Resource Locator

- URL's must be accurate
- Starts with -- **http://www.**
- Middle is actual address (sony, etrade, amazon, etc.)
- Domain -- ends in “dot” something (.com, .org, .gov, .net)- definitions
- Never any spaces in URL
- All lower case

### Browser

- **Type of software**
- **Allows user to access the web**
- **Two basic types -- 95% of all users have the following**
  - Internet Explorer (Microsoft)
  - Mozilla Firefox
- **Aol has its own type of browser**

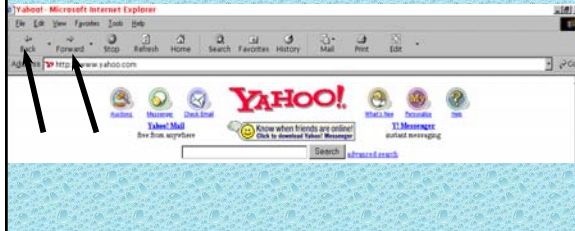
### Browser features

- **Address Bar - Shows URL of current website**



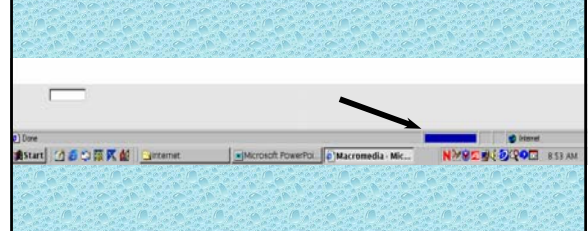
## Browser features

- **Forward & Back Buttons - Takes user to pages already visited**



## Browser features

- **Progress Bar - Shows how much of a page has loaded**



## Browser features

- **Home Button - Takes user back to preset home page**



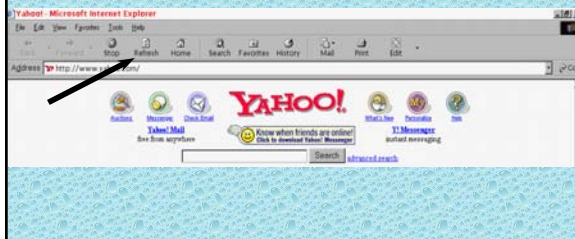
## Browser features

- **Stop Button - Stops the loading of current page**



## Browser features

- **Refresh Button - Reloads current page**



## Links

[Recreation & Sports](#)  
[Sports, Travel, Autos, Outdoors..](#)

- **Links allow you to move from page to page**
- **Cursor will change from arrow to hand** [www.yahoo.com](http://www.yahoo.com) **when it passes over link**
- **Many links will change colors when clicked**
- **Many links will also stay a different color after you used it so you know where you've been**

## Search Engines

- Allows you to find the URL of a web site
- Type in a topic and search engines will find pages about that topic

## Types of Search Engines

### Directories --

Pages are sorted into categories and subcategories

### Indexers -- Pages

are found strictly in a word search format

## Search Directories

- Uses humans to form database
  - Results will be more relevant
  - Won't get as many results
  - Smaller than Indexers
- Examples
    - Yahoo -- **most popular**
    - Snap --
    - Magellan --
    - Look Smart --

## Search Indexers

- Databases are created by computers
  - Will get many matches
  - Results will be less relevant
  - Larger than directories
- Examples
    - Excite --
    - AltaVista --
    - Hotbot --
    - Lycos --

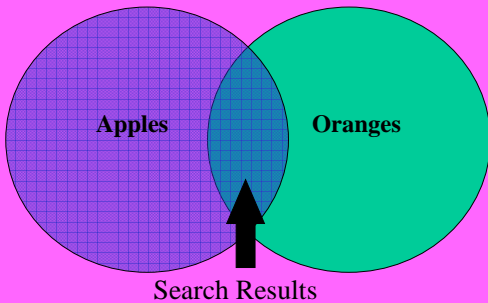
## Search Engines

- Google is the most reliable search engine
- Drawback to doing a keyword search is that you may get too many results to go through or pages that have nothing to do with your topic

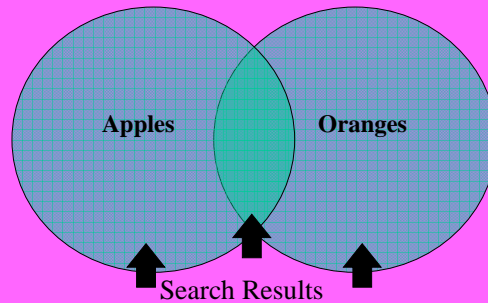
## Boolean Search Logic

- Boolean logic allows you to narrow down your search so that you will not get so many "hits" (results)

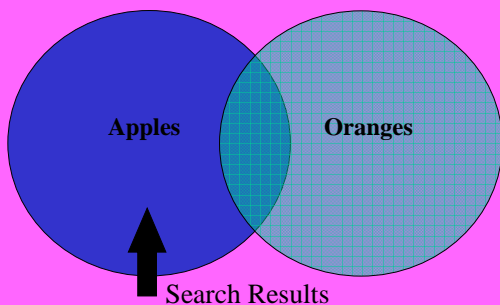
**Boolean Logic -- AND**  
**Example -- Apples and Oranges**



**Boolean Logic -- Or**  
**Example -- Apples or Oranges**



**Boolean Logic -- And Not**  
**Example -- Apples and not Oranges**



**Reliability of Information**

- **Not all information on Internet is valid**
- **Things to check**
  - Name of website -- if site is a reputable name it should be valid ex. [www.brittanica.com](http://www.brittanica.com)
  - If unsure, find info on another website, it's always best to double check
  - Author of text -- they should have credentials

**Safety Online**

- **Don't give anyone your address or phone number while online**
- **If making a purchase online, make sure that the site has a secure connection**
- **In chat rooms or forums don't give out personal information ex. High school, city, sports teams. Try to remain anonymous.**
- **Identity theft happens everyday, be careful.**

**What makes up the Internet**

- **HTML – Hypertext Markup Language**
  - Language that makes up websites
  - Allows computers to communicate with each other.

```
// -->
</script><table border=0 cellpadding=4 cellspacing=0><tr><td><font size=-1><b>Web</b></td>
AM Files <a href=001> www.ifilm.com (streaming media) www.scores.de <b>...</b></td></tr><tr><td>
<b>...</b></td></tr><tr><td> March 3, 2001: <b>Alien Song</b> merchandise available! Click here to Get It
Click here for the new homepage version <b>...</b></td></tr><tr><td><font color=#008000><span dir=rtl
effort. Download the <b>Alien Song</b> [ 3.2 MB MP3 file ] <b>...</b></td></tr><tr><td><b>#0
It is one of the most viewed CG anime, and helped Victor Navone become a <b>...</b></td>
from <b>alien songs</b> video frame number 3 from <b>alien songs</b> video <b>...</b></td>
Just Plain Stupid, Stunts, Sports Humor, Animal Humor, Commercials <b>...</b></td></tr><tr><td>
202300 views. add to your favorites Add to MEN Spaces Batch <b>...</b></td></tr><tr><td><font color=#
<br clear=all></td></tr></table border=0 align=center cellpadding=3 cellspacing=0><tr><td bgcolor=
<font size=-1><input type=text name=q size=31 maxlength=2048 value="alien song" title="
```

## Ways to create HTML

- **Web Authoring Program**
  - Microsoft FrontPage
  - Macromedia Dreamweaver
  - Adobe Go Live
  - Straight HTML writing
  - Drag and drop Internet based programs
  - Many other WYSIWYG (what you see is what you get) editors

## Assorted Information

- **IP address** – unique number every computer that is online has (ex. 12.34.567.890)
- **ISP** – Internet Service Provider – company that provides you with internet access
- **http** – hypertext transfer protocol – transposes HTML computer language into something you can use

## What separates the net?

- **Interactivity** – ability to control a part of media
- **Sheer amount of information available**
- **Multi-media format**

## Online Security

• **Closed Lock** at the bottom shows that the website is secure. It is safe to input a password, account number, or other personal information.

• **https** – hyper text transfer protocol secure



## What makes a good website?

- **Interface** -- how user gets around site (where links are located etc.)
- **Color Scheme** -- Contrast between background and text. [Catfish](#)
- **Content** -- Information
- **Use of graphics**

## Bad stuff that can't be done in Modern Media.

- **Black Planet**
- **Chat Rooms**
- **Email unless given permission**
- **Download anything without permission (if it asks you to download, say "no")**
- **Internet Music (clogs up connection)**
- **An obviously "bad" site (if it's an accident, let me know so I can take care of it)**
- **Click on ads -- you'll get stuck in a pop-up circle**

## Other things on the Net

- Java Script language -- allows for animation on the web (moving backgrounds, etc.)
- Graphics -- jpeg, gif, vector, bitmap, etc.
- Flash -- HTML and animation
  - [Xiao Xiao](#)
- Shockwave movies -- Animation and games
- **Videos**
- **Spyware**
- **Phishing**
- **Podcasts**
- **Ip-tv**
- **Peer to Peer Filesharing Networks**
- **Blogs**