

# The Internet – Behind the Web

## Notes

1. In 1958, the administration of Dwight D. Eisenhower created the National Aeronautics and Space Administration (NASA), for rocket scientists, as well as the \_\_\_\_\_, (ARPA) for other types of government-financed exploration.
2. Leonard Kleinrock applied \_\_\_\_\_ theory to data transmission. He also showed how to speed up the network by using demand access and distributed control.
3. \_\_\_\_\_ switching was what was used for telephone communications.
4. Paul Baran was hired to see if a network could be built to assure \_\_\_\_\_ of a nuclear attack during the Cold War. He based his idea on a model of mice going through a maze.
5. Paul Baran also used an idea from the telegraph to break up the message into equal size \_\_\_\_\_ with headers indicating where the packet should go.
6. Each \_\_\_\_\_ could decide where next to send the packets and would continue to send the packet until it is received at the next node.
7. Bob Taylor, an ARPA scientist, in 1966 didn't like the idea that he needed separate terminals to log into different computers. He was allocated \_\_\_\_\_ to turn theory into practice.
8. \_\_\_\_\_ built first experimental connection between computers at MIT. He was inspired by another engineer who suggested building special mini-computers that would only have to know how to deal with one mainframe.
9. The companies though that the network A) \_\_\_\_\_, B) didn't think it \_\_\_\_\_ and C) had \_\_\_\_\_ in their current communications systems
10. The first network had 4 \_\_\_\_\_ (IMP) connected to 4 different mainframe computers to pass packets.

11. UCLA \_\_\_\_\_ where charged to write the program to connect the UCLA mainframe to the IMP.
12. First killer app on the ARPANET was \_\_\_\_\_ invented by Raymond Tomlinson who wrote it on his own time. He was the first to use the \_\_\_\_\_ symbol in an address.
13. The Internet is developed using an \_\_\_\_\_.
14. In 1972 there were \_\_\_\_\_ network sites online. During the demo of the ARPANET to ATT executives, the IMP \_\_\_\_\_ and the executives laughed.
15. In 1973, the \_\_\_\_\_ protocol was developed to allow different networks to communicate and became the standard in 1983.
16. Congress passed a bill on June 9<sup>th</sup>, 1992 taking the INTERNET out of \_\_\_\_\_ and into the public.
17. At CERN research center in Switzerland Tim Berners-Lee developed software to follow threads of information across the internet which he named the \_\_\_\_\_.
18. In 1992 there were only \_\_\_\_\_ web pages on the internet.
19. In 1993 at the University of Illinois a student named Marc Andreessen, age 22 developed a browser called \_\_\_\_\_ later renamed Netscape allowing the ease of access to the world wide web.
20. There were \_\_\_\_\_ domain names and \_\_\_\_\_ web sites at the turn of the century.