1. False

   The server might not be this quick.

2. False

   If the users are under the same router, the ip would be the same.

3. True

   Gateway is necessary.

   Reference: http://bluemuta38.pixnet.net/blog/post/45543389-
   ip%E5%8F%AF%E7%94%A8%E7%AF%84%E5%9C%8D-%26-
   %E5%88%86%E8%BE%A8%E7%B6%B2%E6%AE%B5-%26-
   gateway%E6%84%8F%E7%BE%A9

4. True

   It needs to know the destination IP address's MAC address before routing in the
   network environment.

5. False

   A Hub is a networking device that allows one to connect multiple PCs to a single
   network. Hubs may be based on Ethernet, Firewire, or USB connections. A switch
   is a control unit that turns the flow of electricity on or off in a circuit. It may also
   be used to route information patterns in streaming electronic data sent over
   networks. In the context of a network, a switch is a computer networking device
   that connects network segments.

   Reference: http://www.diffen.com/difference/Hub_vs_Switch

6. True

   Without DNS, we can still visit website by visiting its IP address directly
   Reference: http://dyn.com/blog/dns-why-its-important-how-it-works/

7. False

   802.11b/g/n has a better range and still supports most devices.
   Reference: http://www.forbes.com/sites/gordonkelly/2014/12/30/802-11ac-vs-
   802-11n-wifi-whats-the-difference/#492af9223785

8. True

   A firewall is a network security system that monitors and controls the incoming
   and outgoing network traffic based on predetermined security rules.
   Reference: https://en.wikipedia.org/wiki/Firewall_(computing)

9. False

   The DNS server works in a hierarchy structure, only stores existing resource
   record in its subzone.

10. True

    When there's many hosts in the LAN, DNS server for DHCP is helpful.
    Reference: http://linux.vbird.org/linux_server/0340dhcp.php#other_dns

11. True

12. True

    It is poosible because of compression or ISP's connectivity and restrictions.
    Reference: http://www.howtogeek.com/253195/how-can-a-vpn-improve-download-speed/

13. True

    With proper routing configuration on the router

14. True

    Reference: http://www.caligare.com/articles/worms.php

1. CDE
2. AC
3. AD
4.