Internet Theory 2 - Protocols, Domain Names, Etc.

1. I have decided to build a new website for the Scona Robotics Club and am going to have GoDaddy.com host the site on their servers. Which hosting package do you think is right for me?

| Plan: | Price: | Reason: |
| --- | --- | --- |

2. “The future of dating is having your own personalized Get-to-Know-Me website”. GoDaddy.com and find a school appropriate AND available domain name for your Get-to-Know-Me website.

| Name: | Price for 2 years: |
| --- | --- |

3. One of the smallest countries in the world is Tuvalu. It’s economy is boosted by the sales of domain names. Find out why.

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4. Protocols are the rules for transferring data from computer to computer. What do the following initials stand for and what do they do?

| Protocol | Stands For | Main Role of the Protocol (one sentence copying and pasting IS allowed as long as you have read it) |
| --- | --- | --- |
| HTTP |  |  |
| FTP |  |  |
| TCP/IP |  |  |

5.

a) The address that we use to send data between computers is called the \_\_\_\_ address.

b) What is the IP address of the computer and/or the phone that you are using right now? <http://www.whatsmyip.org/> (Note: due to the way we access the Internet, if you are using a school computer for this, you will likely get the same address as everyone else):

6, Find a website that describes how ***routers and/or packet switching*** work on the Internet. Read a bit of the site and then create one multiple choice question based on what you read:

| Site used: |  |
| --- | --- |
| Question: |  |
| a) |  |
| b) |  |
| c) |  |
| d) |  |

7. In the last few years, we have changed the way we do IP addresses to a new version called: IPv6. Find out why and what is the main difference from the old IP address style.

8. What is IETF and what is their main role regarding Internet protocols?

9. What is a VPN? Describe in a sentence a job that could make good use of VPNs.

10. Earlier you learned about protocols. Related is the concept of the *OSI 7 Layer Model* which is a way of standardizing how network communication is handled. Insert a picture below showing the seven layers then read a definition/description of each layer. You do not need to understand each of the layers at this time. I just want you to be aware of the model.

11. Using the term protocols, html and other related terms, explain 2 differences between the World Wide Web and the Internet.