



✓ **Congratulations! You passed!**
TO PASS 80% or higher

Keep Learning

GRADE
100%

Technology: Application Protocols

LATEST SUBMISSION GRADE

100%

1. What does the Application Layer expect from the Transport Layer?

1 / 1 point

- ☐ The Transport Layer accurately predicts the number of hops it will take to go across the country.
- ☒ A reliable pipe that delivers data from another application across the Internet
- ☐ The Transport Layer tells the Application Layer the geographic location of all of the routers in the Internet
- ☐ The Transport layer dynamically transports IP addresses to all of the computers connected to a Wifi Network.
- ☐ The Application sends a Domain name through the Transport Layer and gets back an IP Address

✓ Correct

2. If you were "hacking" the Hypertext Transport Protocol using the 'telnet' command, what command would you send to the web server once you are connected to retrieve a document?

1 / 1 point

- ☒ GET
- ☐ RETR
- ☐ DOCU-RETR
- ☐ DNLD/DOC

✓ Correct

3. Which of the following are examples of applications in the application layer? (Choose all that apply)

1 / 1 point

- ☐ Slow Start
- ☒ Firefox

✓ Correct

- ☐ Router
- ☐ Fiber Optic
- ☒ Apple Mail

✓ Correct

4. When is the Internet 100% up and working?

1 / 1 point

- ☐ Once a year the Internet is completely rebooted and stays at 100% for about ten minutes
- ☐ When more than 2% of the Internet goes down, all routers simultaneously reboot to get back to 100%
- ☒ It never is. It is constantly having pieces connect, fail, disconnect, reboot, etc.
- ☐ At midnight GMT, every day all routers reboot and the Internet is 100% up for about ten minutes

✓ Correct

5. Last time! What are the layers of the internet, and the order in which we structure them?

1 / 1 point

- ☐ * Port
 - * Transport
 - * Application
 - * Link
- ☐ * Application
 - * Router
 - * Link
 - * IP
- ☐ * User
 - * Application
 - * Link
 - * Router
- ☒ * Application
 - * Transport
 - * IP
 - * Link

✓ Correct

6. What does the browser do when you click a Hypertext Link from your current web page to another web page?

1 / 1 point

- ☐ It looks at its most recent RSS feed for the Domain Name Service and selects a Network Number
- ☒ It does a Request-Response Cycle
- ☐ It connects to port 23 and sends the "DATA" command
- ☐ It does a relational database look up in the IMDB

✓ Correct

7. What does port 23 do?

1 / 1 point

- ☐ IMAP
- ☒ Telnet (Login)
- ☐ HTTP
- ☐ YouTube

✓ Correct

8. What does port 80 do?

1 / 1 point

- ☐ POP
- ☐ SMTP
- ☐ Telnet (login)
- ☒ HTTP

✓ Correct

9. RFCs are:

1 / 1 point

- ☒ Issued by the Internet Engineering Task Force (IETF)
- ☐ Blueprints for the locations for the fiber optic cables that run under the oceans
- ☐ Papers written by Physicists at CERN about Radio Frequency Colliders
- ☐ Curated by Paul Kunz at the Stanford Linear Accelerator (SLAC)

✓ Correct

10. Which of the following is most like a TCP/IP port number:

1 / 1 point

- ☒ Telephone extension
- ☐ Zip Code
- ☐ Telephone area code
- ☐ Highway number

✓ Correct

11. What is a protocol?

1 / 1 point

- ☐ A technique routers use to predict the traffic distribution over a long time period
- ☐ A technique for obscuring security algorithms
- ☐ A program used to scan for vulnerable ports on a network-connected computer
- ☒ A set of rules that govern how different components of the Internet interact with each other

✓ Correct