ITP 125 Lab 3

1. A ping of death is an attack on a computer that overwhelms the operating system by sending an oversized IP packet that an operating system couldn’t process so the computer would freeze or crash.
2. ARP spoofing is a hacking technique where the attacker sends ARP messages onto a local network that redirects any all traffic from one IP to the hacker. Explained to a 5 year old – If your neighbor changed his address to your home address, and got all of your mail instead of you getting it. It can be prevented by implementing detection software which cross checks ARP responses and blocks uncertified responses.
3. DNS spoofing, like ARP spoofing, is a hacking technique where the attacker introduces corrupt DNS data causing the name server to return an incorrect IP address redirecting traffic from host computer to hacker’s computer.
4. Step 1 – Application

Step 2 – Presentation

Step 3 – Session

Step 4 – Network?

Step 5 – Data Link

Step 6 – Data Link

Step 7 – Network

Step 8 – Data Link

I think we missed the physical layer but I’m not sure I understand all of the layers fully.

1. TTL is time to live for data in a computer or network. Once the given time has expired, the data is discarded.