## Assignment Introduction to Broadband Technologies

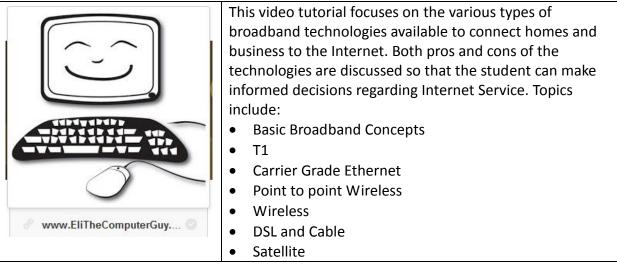


Table 1 Eli the Computer Guy's Understanding Switches Video Tutorial.

## You can find this video tutorial at:

http://www.elithecomputerguy.com/2010/01/01/understanding-broadband/

## Instructions

For this Assignment, you will first view the Introduction to Broadband Technologies Video Tutorial. After viewing the tutorial, answer the related questions. When you have completed your answers, post them to your online portfolio.

## Questions

- 1. In a broadband context, what is the difference between synchronous and asynchronous communications?
- 2. What is latency?
- 3. From Eli's point of view, what is the difference between business and residential service?
- 4. Explain the difference between a static and a dynamic IP address.
- 5. Why might an organization want a static rather than an IP address?
- 6. Why would an ISP block a particular port?
- 7. What is an SLA?
- 8. When would you use a T1 line?
- 9. What are two advantages of a T1 line?
- 10. What is the primary disadvantage of a T1 line?
- 11. What is the primary advantage of carrier class Ethernet?
- 12. In wireless networking, what does 'unlimited Internet' mean?
- 13. In an old building, what could be a problem source concerning DSL service?
- 14. With a cable connection, what type of problem could be associated with a trunk line?
- 15. From a business perspective, what is a potential weakness of Cable?
- 16. What is FIOS?
- 17. What is the reason that you probably don't want a satellite connection?