

## TeachersL3A2 – Answers

**NOTE: Students answers may vary; these should be used as a guide for discussion as they are not absolute.**

Points of interest for discussion:

- Environment plays a role
  - Small start-up vs. corporation
  - Need for people to move around a lot
  - Importance of high bandwidth or high data rates
- Convenience
  - Wireless lets people connect (almost) wherever they are
  - Wired network ports are stationary once in place so not great
- Costs
  - Wires and labor is expensive
  - Wireless needs significantly less hard lines
- Reliability
  - Wires last longer and have consistent high speeds
    - Tradeoff: if become unplugged or damaged all connectivity stops
  - Wireless degrades with more users and distance from access points
- Network Privacy
  - Wireless has potential of leakage outside of buildings, channel accessed
  - Wired guaranteed private
- Combination of both wired and wireless is quite common
  - Ask why if this hasn't been brought up.
    - Tries to get the best of both worlds
    - Used as a way to segregate functions