

## IT Fundamentals Guided Notes (ANSWER KEY)

# Lesson 2.8.1 - Wireless Networking Standards

1. Fill out the table with the correct band and max range. Bands are either 5GHz or 2.4 GHz, range includes 75 feet, 115 feet, 150 feet, and 175 feet .

Standard	Band	Distance
802.11a	5GHz	75 ft
802.11b	2.4GHz	150 ft
802.11g	2.4GHz	150 ft
802.11n	5GHz, 2.4GHz	175 ft
802.11ac	5GHz	115 ft

2. What is the difference between interference and attenuation?

Interference occurs when something disrupts or weakens a wireless signal coming from a router.

Attenuation is the loss of transmission signal strength measured in decibels

3. What are the three main factors of attenuation?

Noise, physical surroundings, and travel distance