**Reading for Lecture 8:**

*D is for Digital:* Part III Communications and Chapter 8: Networking, pp. 117-134.

**Lecture 7: Exercises**

1. What is the device called that converts outbound digital signals from a computer into the analog analog signals transmitted over a telephone line (or coaxial cable or optical fiber) and also inbound analog signals from the telephone line (or coaxial cable or optical fiber) into digital signals for the computer?

2. On an Ethernet, information is transmitted in the form of digital \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, each of which includes the identification number for the destination device.

What happens if two devices on the network happen to transmit at the same time?

3. In addition to WiFi, Kernighan describes three other systems for wireless communication. Name them.

4. Why are cellphones called cellphones?