**Chapter 24: Understanding Communications—**

**do what you do…**

**HIGHLIGHT ANSWERS IN PURPLE**

* Cell phone systems are divided into **\_\_\_\_\_\_\_**, or geographic areas to which a signal can be \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
* Each cell has a **\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_**, or base station, for all the cellular phones in that area.
* A **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**, or **PDA**, is a small, highly \_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ computer.
* \_\_\_\_\_\_\_\_\_\_\_ are heavy on the business/\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ features and do not necessarily include \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ /fax service.
* **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_** are mobile phones that use \_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ to communicate.
* To connect your computer to a cable service, you need a **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_**.
* Cable modems catch the \_\_\_\_\_\_\_\_\_\_\_\_\_\_ signal from the Internet, called **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**, and pass it on to your \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
* Some cable modems can also \_\_\_\_\_\_\_\_\_\_\_ information upstream, or **\_\_\_\_\_\_\_\_\_\_\_\_\_\_**, data from your computer back to the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
* One of the most traditional uses of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (CTI) is when the computer takes the place of a human and acts as a **\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_**, or a central place where an organization's \_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ calls are received and made.
* \_\_\_\_\_\_\_\_\_\_\_\_ networks allow computers to \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ through \_\_\_\_\_\_\_\_\_\_\_ signals.
* Cell phones are a form of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
* Networks designed for use with cell phone technology are called \_\_\_\_\_\_\_ or \_\_\_\_\_\_\_, and provide \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ of data, allowing for increased network capacity, a \_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ of services, and faster \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ speeds.
* If you dial a long-distance number from your cell phone, the \_\_\_\_\_\_\_\_\_ connects the call through a **\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**, which is a \_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ allowing the MTSO to interact with long-distance providers.
* Many cellular telephone companies now use \_\_\_\_\_\_\_\_ to transmit calls through the \_\_\_\_\_\_\_\_\_\_\_.
* Mobile phones are called \_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_ because of \_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_ that relay from one cell to another \_\_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ the phone calls.
* Common communications tools that use \_\_\_\_\_\_\_ to \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ information include voicemail services and PCs that can answer telephone calls.
* Many companies offer \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ services likely due to \_\_\_\_\_\_\_\_\_\_\_\_\_\_ wanting a variety of choices for telecommunications.
* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_ are like wireless networks in that both use radio waves to communicate and allow \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ without \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_.