Reading Quiz 12

1. **What is a bus, and what kinds of signals does it carry?**

   A bus is a collection of digital signals that are provided to every board in a computer. It carries the following types of signals:

   - Address signals
   - Data Output signals
   - Data Input signals
   - Control signals

2. **In general, what does an interrupt signal do?**

   In system programming, an interrupt is a signal to the processor emitted by hardware or software indicating an event that needs immediate attention.

3. **How are the memory banks described in Chapter 21 different from the RAM arrays we have built?**

   They are on separate boards on separate chips, so you need to separate board, chip and adress to specify what RAM address you're accessing.

4. **What did old-timers call the ancient 25x80 text screens when used to view the contents of a punchcard?**

   cards.

5. **In general, what are DMA signals used for?**

   Take over the bus and transfer data directly between random access

memory and the disk, bypassing the microprocessor.