

- Test to see if the printer is powered on
- Cause the printer to load a blank sheet of paper
- Poll to determine when the paper has been loaded
- Specify data in memory that tells what to print
- Poll to wait for the printer to load the data
- Cause the printer to start spraying a band of ink
- Poll to determine when the ink mechanism finishes
- Cause the printer to advance the paper to the next band
- Poll to determine when the paper has advanced
- Repeat the above six steps for each band to be printed
- Cause the printer to eject the page
- Poll to determine when the page has been ejected

Figure 16.1 Illustration of synchronization between a processor and an I/O device. The processor must wait for each step to complete.