Notes for 11/2/09

DMA vs. Interrupt Driven
   DMA is good for devices that need a lot of bandwidth

Synchronous vs. asynchronous buses
   Synchronous has more bandwidth, but cannot go long distances
   Asynchronous can go long distances, but has lower bandwidth
   North and south bridge, figure 6.9 on page 585

Copy-on-write
   E.g., on the heap or stack the kernel will give you a read-only mapping to the zero page, as soon as you try to write to it there is a page fault and the page is copied to another physical page which you get a writable mapping for, then your process is allowed to continue and is able to write to the page