1. What are the five classic components of a computer?

input, output, memory, data path, and control.

2. Order the following components of the iPad 2 by size: logic board, wireless communication chip, battery.

Battery, Logic board, Wireless communication chip.

3. What are DRAM and SRAM used for, and why is one used instead of the other?

DRAM is used to store programs that are running because it is more dense and cost effective

SRAM is used for cache memory because it is faster

4. Describe the (a) volatility, (b) access time, and (c) cost per gigabyte (as given in the book)

(1) DRAM

a) volatile

b) 50 ns

c) $5-$10

(2) flash memory

a) nonvolatile

b) 5-50 µs

c) $0.75-$1

(3) magnetic disk storage

a) nonvolatile

b) 5-20 ms

c) $0.05-$0.10

5. What is the yield of a process?

the percentage of good dies from the total number of dies on the wafer