1. What is the name of the microcontroller we are using?
   MSP430G2553

2. What does MAB and MDB stands for respectively?
   Memory Address Bus
   Memory Data Bus

3. Name two peripherals available inside the microcontroller other than “comparator”.
   Analog to digital converter, Serial Communication Interface (USCI), GPIO, Memory, Watchdog timer, Timer, Real time clock etc...

4. Name two of the components inside a CPU.
   ALU – Arithmetic logic unit
   Core registers

5. What does it mean by peripherals are memory mapped?
   Peripheral registers are assigned a part of the memory map. You can access the peripherals the same way as you access memory (through memory address).

6. What does it mean by GPIO pins are multiplexed?
   GPIO pins are shared between peripherals. The functionalities of the bidirectional pins are selected through a multiplexer

7. Draw a circuit of an active low switch connecting to a GPIO pin (with a proper pull up or pull down resistor)
8. (Bonus)
On Launchpad, the pull up and pull down resistors are located __a___ (select one)
  a. Inside the microcontroller
  b. On the printed circuit board
  c. Nowhere. Need to be added by the user