Name	
Biology per	Date
Score	Sign-Off

Lab Activity: Blood Pressure

Pre-lab Que	estions
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What is blood pressure?
What does the Systolic Reading indicate?
What does the Diastolic Reading indicate?
How is the measurement written? (be specific)

Using the Blood Pressure Monitor

- 1. Remove any tight clothing from your upper LEFT arm.
- 2. Make sure the cuff is fully deflated. Put the cuff on so the tube is aligned with your middle fingers and is about a ½ inch above your elbow crease.
- 3. Position your arm so that the cuff is about at heart level.
- 4. Press the "on/off" button and wait until the machine has fully turned on.
- 5. Inflate the cuff to 160 mm Hg then stop. When the machine is finished reading, the measurements will be shown on the display.
- **6.** Deflate the cuff fully and turn the machine off when finished.

Procedure

- 1. Sit quietly and relax for 5 minutes. At the end of the 5 minutes, take your blood pressure and record the reading and pulse in the data table.
- Choose one of the following variables to test: stress, cold, exercise, reclining, or caffeine. Write a hypothesis on you think your variable will affect your blood pressure.
 - a. Stress: Think about a stressful event and discuss it with your partner for 3 minutes.
 - b. Cold: Stick your right hand in an ice bath for 3 minutes
 - c. Exercise: Do 20 jumping jacks.
 - d. Reclining: Lie down on a lab bench, head to wall, feet hanging off end, for 3 minutes.
 - e. Caffeine: Consume caffeine (coffee or caffeinated soda) and wait for 3 minutes.
- 3. After finishing the steps involved with the variable you chose, take your blood pressure and record the reading and pulse in the data table.