

Name: _____

Lab 5 Grading Sheet

Patient 1

Exercise 1: Blood pressure measurements
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Step 30: voltage at 20mmHg: _____
 voltage at 40mmHg: _____
 voltage at 80mmHg: _____

 mmHg/Volts: _____

Step 36: TA check off: _____

Step 47: Systolic pressure: _____

Step 48: Diastolic pressure: _____

Step 49: TA check off: _____

Step 55: Stethoscope beat sound re-appears: _____

Step 56: Stethoscope beat sounds loudest: _____

Do the pressure readings in steps 47, 48 and 55, 56 match?

Exercise 2: Electromyography

Step 66: Constant intensity measurements

	EMG Voltage (peak to peak)	Dynamometer voltage
1		
2		
3		

Step 69: Increasing intensity measurements

	EMG Voltage (peak to peak)	Dynamometer voltage
1		
2		
3		

Step 73: Fatigue

High amplitude _____

Low amplitude_____

Step 76:

Document which direction generated a larger signal and thus needs more muscle to flex your hand, upward or downward?

Step 83:

What does this tell you about the muscles in the forearm?

Patient 2

Exercise 1: Blood pressure measurements

Step 30: voltage at 20mmHg:_____

voltage at 40mmHg:_____

voltage at 80mmHg:_____

mmHg/Volts:_____

Step 36: TA check off:_____

Step 47: Systolic pressure: _____

Step 48: Diastolic pressure:_____

Step 49: TA check off: _____

Step 55: Stethoscope beat sound re-appears:_____

Step 56: Stethoscope beat sounds loudest:_____

Do the pressure readings in steps 47, 48 and 55, 56 match?

Exercise 2: Electromyography

Step 66: Constant intensity measurements

	EMG Voltage (peak to peak)	Dynamometer voltage
1		
2		
3		

Step 69: Increasing intensity measurements

	EMG Voltage (peak to peak)	Dynamometer voltage

1		
2		
3		

Step 73: Fatigue

High amplitude _____

Low amplitude _____

Step 83:

What does this tell you about the muscles in the forearm?

What form of energy does the stethoscope measure? Can it be called a transducer? If yes then which form of energy is converted to which form by this system.

What form of energy does the hand dynamometer measure? Can it be called a transducer? If yes then which form of energy is converted to which form by this system.
