Essay Review Sheet #3 Physiology 1

- Describe the sliding filament mechanism of muscle contraction.

- Explain twitch summation and tetanus.

- Trace a drop of blood through one complete circuit of the circulatory system.

- Draw and label the waveforms of a normal ECG. What electrical event does each component of the ECG represent?

- Discuss the relationships among flow rate, pressure gradient, and vascular resistance.

- Discuss the factors that determine mean arterial pressure.