Name_____

Welcome to the strongest webquest you can find. Please follow the directions to help guide you on your journey.

Part I (Helping Russell the Muscle)
1) Go to website http://www.anatomyarcade.com/games/PAM/PAM.html
2) Click "Poke a muscle on screen"
3) Go to bottom right of human→ level 1→ anterior→ Click on Scan
4) Continue until you get 80% and allows you to continue to next level. If you need more review go to http://mypages.valdosta.edu/dodrobin/2651/Muscles/Muscles.htm
5) Click on level 1→ anterior→ Click on Poke
6) Continue until you get 80% and allows you to continue to next level.
7) Complete all of Level one
8) When complete all of level 1 call over Mr Chesler or Mr Mark to sign your sheet.

Part II
1) Go to website http://www.ivyroses.com/HumanBody/Muscles/Muscle_Cell.php
2) Create a muscle cell diagram below from website.

3) What is the role of each of the 8 labeled items above
Muscle Fiber-

Myofibril-

Filaments-

Epimysium-

Perimysium-

Sarcoplasm-

Striations-

Fascicle-

Sarcolemma-

Thick Filament

Thin Filament
    4) What is the importance and difference of thick and thin filaments?

III. Microscope
    1) Go to site http://medcell.med.yale.edu/histology/muscle_lab.php
    2) Scroll down to heading that says "slides"
    3) Click through slides 1-12 and draw images below labeling the key parts they label.

Part IV. The almost done moment.
1) Read the following article
   https://www.nytimes.com/2017/09/29/health/sports-injuries-football-yale.html
2) Write a paragraph synopsis about this article.

Your body may not be stronger for finishing this but you mind definitely is.