**MUSCLE RESEARCH – THE DRUGS SCANDAL**

COMPLETE THE FOLLOWING IN YOUR BOOKS OR IN A WORD DOCUMENT

**The following drugs have been allegedly used by the Essendon footballers.**

Part 1: For each explain if you can:

1. Where they come from / are derived from eg. Cerebrolysin is made from pig brain proteins
2. How they are used & the frequency eg. Injection, tablet
3. What they do to the body eg. Build muscle, increase blood volume
4. Side effects eg. Increased facial hair
5. References used

**SUBSTANCES:**

1. Actovegin
2. AOD-9604
3. Cerebrolysin
4. Colostrum
5. Lactaway
6. Loube-all-plus
7. Melatonin
8. Melanotan II
9. TA- 65
10. Thymosin Beta 4
11. Traumeel
12. Tribulus

**Part 2** – identify the 2 tennis players below. Comment on whether they may have taken any of the drugs above. Which and why?

[](http://www.google.com.au/imgres?um=1&safe=active&hl=en&biw=1093&bih=521&tbm=isch&tbnid=0_2tR2JHC28WkM:&imgrefurl=http://www.news.com.au/sport/tennis/sam-stosur-aims-for-the-magic-50-wins-in-2013/story-fndkzym4-1226499938128&docid=bF9auL0s4T5r9M&imgurl=http://resources3.news.com.au/images/2012/10/20/1226499/937955-sam-stosur.jpg&w=650&h=366&ei=RVQwUo2rB4OYkQWZkIGYAQ&zoom=1&ved=1t:3588,r:66,s:0,i:283&iact=rc&page=6&tbnh=166&tbnw=275&start=65&ndsp=13&tx=132&ty=71)[](http://www.google.com.au/imgres?um=1&safe=active&hl=en&biw=1093&bih=521&tbm=isch&tbnid=FCOdiD6YyI1-vM:&imgrefurl=http://tennis.si.com/2013/09/01/serena-williams-sloane-stephens-us-open-live-analysis/&docid=FQq739dv6vaSTM&imgurl=http://siusopen.files.wordpress.com/2013/09/serena-williams-backhand.jpg%253Fw%253D610%2526h%253D462&w=610&h=462&ei=8FMwUtfmDsekkAW0loHQDw&zoom=1&ved=1t:3588,r:57,s:0,i:256&iact=rc&page=5&tbnh=175&tbnw=232&start=53&ndsp=15&tx=91&ty=114)

**Part 3:**

Go to: <http://free-anatomy-quiz.com/upperlimbIDQs.html> and complete the quiz as best as you can.