Quiz chromatography lab: NAME:…………………………………………………….

DRAW A CHROMATOGRAM AS SEEN in

HPLC

GC

1. What are detectors in GC
2. What are detectors in HPLC
3. What is on X axis and what is on y axis of chromatogram in HPLC
4. What is on X axis and what is on y axis of chromatogram in GC
5. What type of syringe we use in HLPC
6. What type of syringe we use in GC
7. What is the length of column in HPLC
8. What is the length of column in GC
9. What mobile phase do you know used in HPLC
10. What mobile phase do you know used in GC
11. What do you measure in chromatogram for quantitative analysis in HPLC
12. What do you measure in chromatogram for quantitative analysis in GC
13. What do you measure in chromatogram for quantitative analysis in HPLC
14. What do you measure in chromatogram for quantitative analysis in GC
15. Does the chromatogram depend on the mobile phase flow rate
16. How can you control the flow rate
17. How do you control pressure in HPLC
18. How do you control pressure in GC
19. What QA/calibration method you use in HPLC
20. What QA/calibration method you use in GC
21. Why is the choice of polarity of mobile and stationary phase important for a particular analyte in chromatography process
22. Which method would you use for (write yes or no)

GC HPLC

Caffeine

Ethanol

Vitamin A

Morphine

Cholesterol