Name:

**Vocab: Drugs Part 2**

**& Reading Questions Chapter 7**

35

* **Use your textbook (p. 175-198) to define the following terms:**

**False Positive:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

**Spectrophotometry:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

**Paga 177 (purple box):**

* Defendant Christopher Jansen argued he was searched without a warrant. What did the cops think he had in his pocket that allowed them to search Christopher?
* What did the judge find in his pocket?

**Page 183**

1. What is the name of the chemical found in Aspirin that reacts with Fe(III) (iron III) to give off a violet/red color?
2. What part of the blood is used to extract the Aspirin chemical?

**Use figure 7.5 of Page 188 to answer questions 3 – 6**

1. In your own words, what is the graph illustrating?
2. What is the concentration of salicylate at 2 hours past ingestion?
3. A student claims, he took a dose of Aspirin 7 hours ago. Will the doctor be able to prove he is lying? Explain.
4. A dead body is found next to the local creek. The autopsy reveals that the dead body had a salicylate concentration of 100. If the person died at 2pm, when did the person take aspirin? Explain how you know

|  |  |  |
| --- | --- | --- |
| **Presumptive Test Vs Confirmatory Tests** | | |
| **Type of Test** | **Definition** | **Example used in class** |
| **Presumptive** |  |  |
| **Confirmatory** |  |  |

|  |  |  |
| --- | --- | --- |
| **Table 7.2 Color Test for Drugs page 191** | | |
| **Drug** | **Reagent** | **Color** |
|  | **Duquenois-Levine (D-L)** |  |
|  | **Erlich/Van Urk (ERL)** |  |
|  | **Marquis (MARQ)** |  |
|  | **Cobalt Thiocyanate (CO)** |  |
|  | **Marquis (MARQ)** |  |
|  | **Dille\_Kopanyi (D-K)** |  |

**Page 194 & 195**

* **Study the IR Spectroscopy Graphs on page 194**
* **Identify the identities of the two Unknows pictured on page 195**

**Unknown 1 = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Unknown 2 = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Label the diagram of an infrared spectrophotometer**

**Page 197 – Blue box lower right-hand corner**

1. Identify two reason illicit drugs are diluted with other products
2. Why does this fact decrease the reliability of Spot Tests?
3. List materials used to dilute illicit drugs.