

Chem 343

Name: _____

Quiz 6

Section: _____

Decide whether the following statements regarding steam distillation are true or false:

_____ The two components to be steam distilled should be fully miscible (dissolve in one another).

_____ Commonly steam-distilled compounds include oils and tars with high bp's.

_____ Steam distillation is often chosen because the compound you want to purify by distillation has a high bp and might actually decompose if simple or fractional distillation is attempted.

_____ Most steam distillations result in collecting fractions where your compound has actually co-distilled over with the water.

_____ If the distillate you collect from the well of your Hickman-Hinkle is cloudy, that is a good indication that the distillation isn't working.

One part of the procedure calls for doing a microscale extraction. The two solvents are water and dichloromethane.

Which is the top layer? _____

Which layer contains your product? _____

Where should you dispose of any dichloromethane waste?