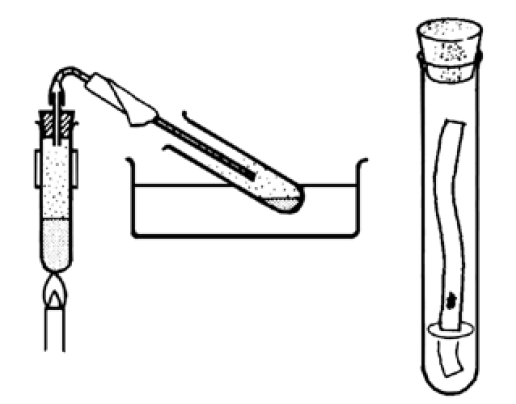
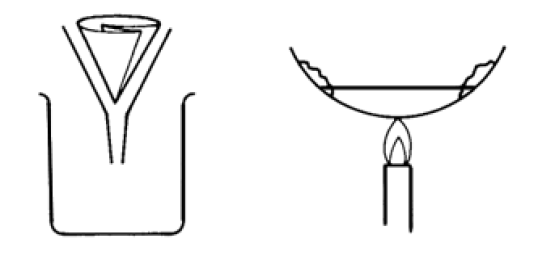
**COSTAATT**

**CHEM 090**

**Lesson 9 – Homework**

1. Name the following ways of separating mixtures.



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2. Complete the following sentences.

1 cent coins & 5 cent coins

ink

salt water & sand

salt water & pure water

(a) Filtering is used to separate

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

(b) Chromatography is used to separate

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

(c) Distillation is used to separate

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

(d)You can separate

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ by picking them up with your hands.

3.



Tap

Liquid B

Liquid A

(a) What is the name of the piece of apparatus used in the separation above?

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(b) Which liquid, A or B, is denser? Give a reason for your answer.

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(c) Name two liquids that can be separated by the method shown above.

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(d) A third liquid, C, is added to the mixture above. It is soluble in A but insoluble in B. Describe what happens when A, B and C are shaken together.

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(e)Describe how you could collect A, B, and C separately.

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(f) What is another method of separating liquid mixtures?

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