

CHE 305 – Separation Processes
Spring 2010 – Quiz 1

1. Give two cases when a chemical process requires no separation.

2. Name two thermodynamic properties that can be exploited to separate a mixture. For each property, state how the separation may be performed.

3. For each of the following separations, state whether an energy or mass separating agent is used. Justify your response.
 - a. Distillation of a mixture of ethanol and water

 - b. Stripping of chloroform from liquid water

 - c. Extraction of oil from soy beans with hexane