

“I Can” Statements

1. Separate a mixture of liquids by fractional distillation
2. Safely test the flammability of a liquid
3. Measure the density of a liquid
4. Test the solubility of solids in a liquid
5. Produce a graph of temperature vs time using periodic temperature measurements
6. Identify the number of liquids in a mixture by examining a temperature-time graph
7. Identify the boiling points of liquids by examining a temperature-time graph.
8. Describe the prevalent theory of how petroleum was developed.
9. Describe the process by which petroleum is separated into its primary useful components
10. Describe the separation of a mixture of insoluble solids by flotation
11. Separate a mixture of solids using solubility
12. Describe and explain the separation process of a mixture of soluble solids
13. Use paper chromatography to separate a mixture of water soluble ink
14. Distinguish between mixtures and pure substances