

NOTE-TAKING GUIDE UNIT 2, SEGMENT G

Name:

Date:

Main Idea	ıs, Key	Points,
Ouestions	:	

After watching the video segment, write down key points, main ideas and big questions.

Objective(s):

- To construct explanations for how to separate materials from each other using melting, magnetism, density, filtration, distillation, crystallization and chromatography.
- To plan and carry out a separation investigation using chromatography.

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Summary:

After watching the video segment, write at least three sentences explaining what you learned. You can ask yourself: "If I was going to explain this to someone else, what would I say?"



QUESTIONS TO CONSIDER: UNIT 2, SEGMENT G

Name:

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After watching the video and performing any associated labs and/or experiments, you should be able to answer the following:

1.	Some mixtures, like alloys, are difficult to separate. How can you separate a mixture of two metals using melting?
2.	How can the physical property of magnetism be used to separate a metal from a mixture?
3.	How can water be separated from oil?
4.	How can solid orange pulp be separated from liquid orange juice?
5.	Distillation occurs when a liquid mixture is heated. One of the liquids boils and the vapor can be captured and condensed into a pure liquid. Please write an example of a liquid that can be distilled.
6.	In the distillation process, sometimes solids are left behind when the liquids boil away, leaving crystals. Name: a material that can crystallize in this way.
	this video, you were asked to conduct an investigation using chromatography. Please answer the following after npleting the chromatography investigation.
7.	What is a chromatogram? (use words or draw a picture)