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## Unit 3: Mixtures

Part 1: Identify the following mixtures as **Homogeneous** or **Heterogeneous** mixture.

Part 2: Definition of terms. Fill in the blanks the correct word that is described. Select your answer from the box.

Sorting out	Crystallization	Sublimation	Heterogeneous
Distillation	Extraction by solvent	Homogeneous	Mixture

7. \_\_\_\_\_ is use to separate mixtures of solids of different size and color.
8. \_\_\_\_\_ use to separate mixtures that have different boiling points.
9. \_\_\_\_\_ mixture that has the same phase.
10. \_\_\_\_\_ uses heat to change solid into vapor and condenses back into solid again.
11. \_\_\_\_\_ a material made up of two or more different chemical substances which are not chemically combined.
12. \_\_\_\_\_ use to separate solid heterogeneous mixture and the solids dissolve in different solvent.
13. \_\_\_\_\_ mixture with different composition and has two or more phases.

Part 3: Identify the method to be used to separate the following mixtures. Select your answer from the box.

Distillation	Filtration	Evaporation	Sorting out
Paper chromatography	Separatory funnel	Magnet attraction	Crystallization

Mixed vegetables 	Mixture of sand and iron filings 	Salt solution 
14. _____	15. _____	16. _____
Ink 	Sand and water 	Vegetable oil and water 
17. _____	18. _____	19. _____
Alcohol and water 	20. _____	
20. _____		