

# Unit 5 lesson 4 Notes ①

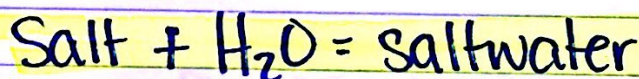
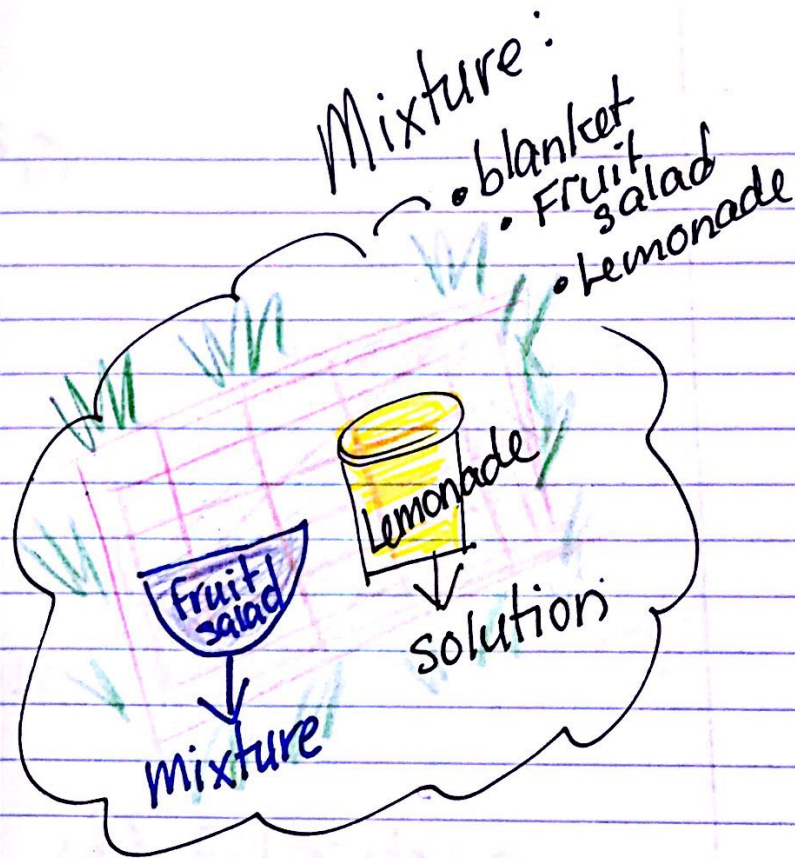
## Mixtures & Solutions

### Mixtures: (Physical Change)

- 2 or more substances combined
- Each substance keeps their own identity
- Do NOT have a chemical changes

### Solutions:

- is a mixture with the same composition throughout
- One substance dissolves into another



- \* Combination of different gases → Air -(solution)
- \* BRASS → combination of copper & zinc  
↳ solid solution.

ways to speed up dissolving rate:

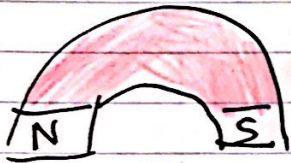
- ① stirring → faster
- ② Add heat → hot water
- ③ Shaking vigorously
- ④ crushing → making the granules smaller



~~Lesson~~ Unit 5 lesson 4 Notes ①

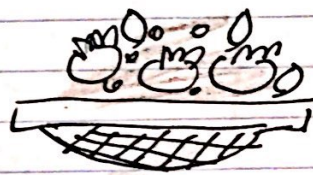
Separating Mixtures

① Magnetic Force



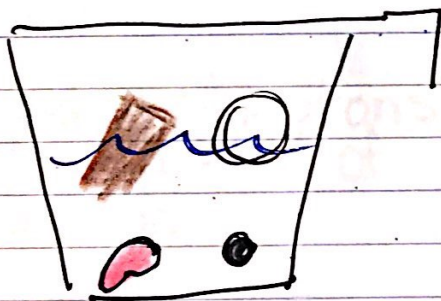
Aluminium NOT magnetic

② Sieve / Mesh

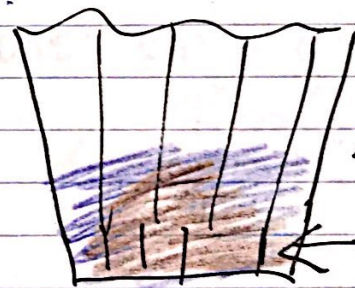


sand

③ Density  
- Floats or sinks



④ Filtration

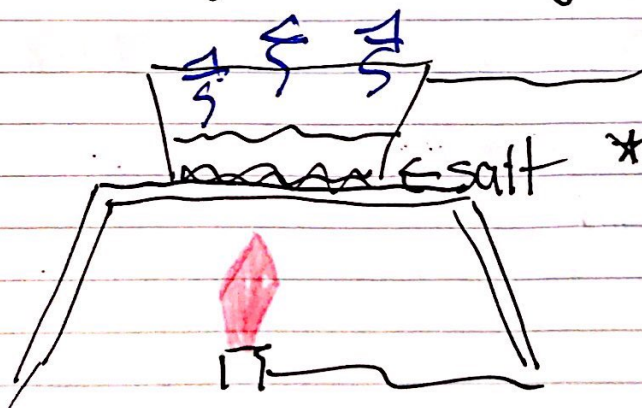


← Filter

← sand

Water

⑤ Boiling / Evaporating



\*  $H_2O$  evaporates, leaves behind the substance