

Chapter 5 : Treasure In The Sand

Curricular Goal :

CG-1: Explores the world of matter, and its constituents, properties, and behaviour.

Competencies :

C-1.2: Describes changes in matter (physical and chemical change) and uses the particulate nature to represent the properties of matter and the changes.

Learning Outcome :

Describe the various techniques / methods of separation of substances.

STORY 5: TREASURE IN THE SAND

During recess time in the school.

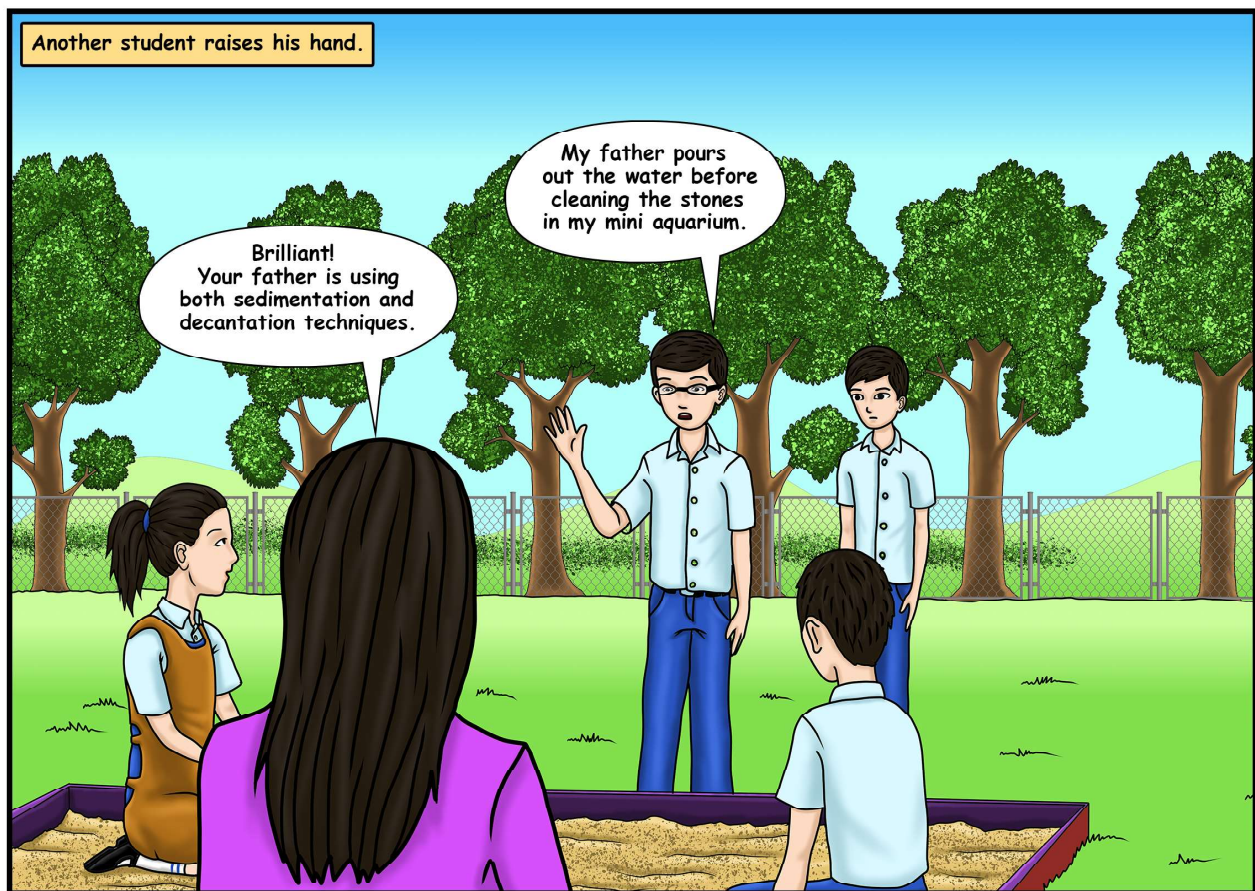


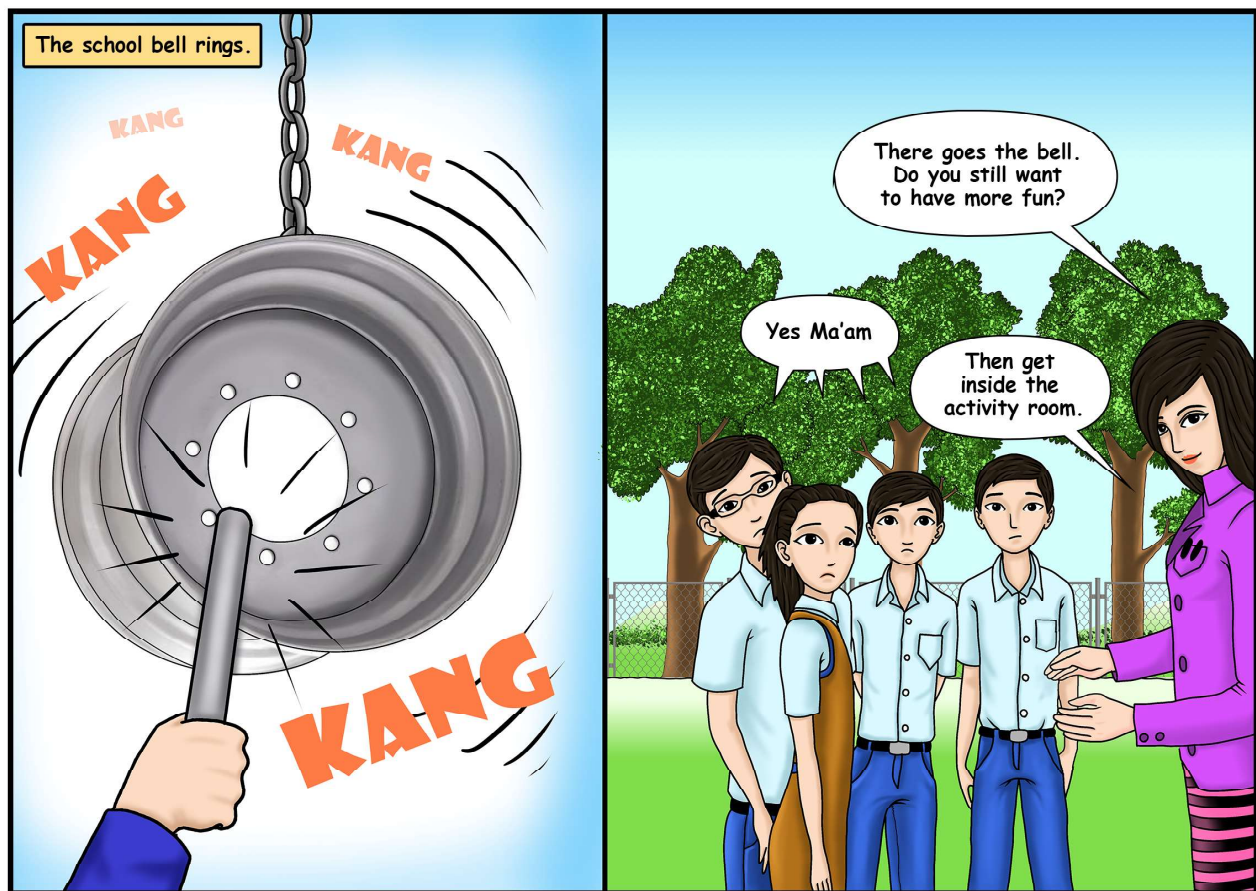
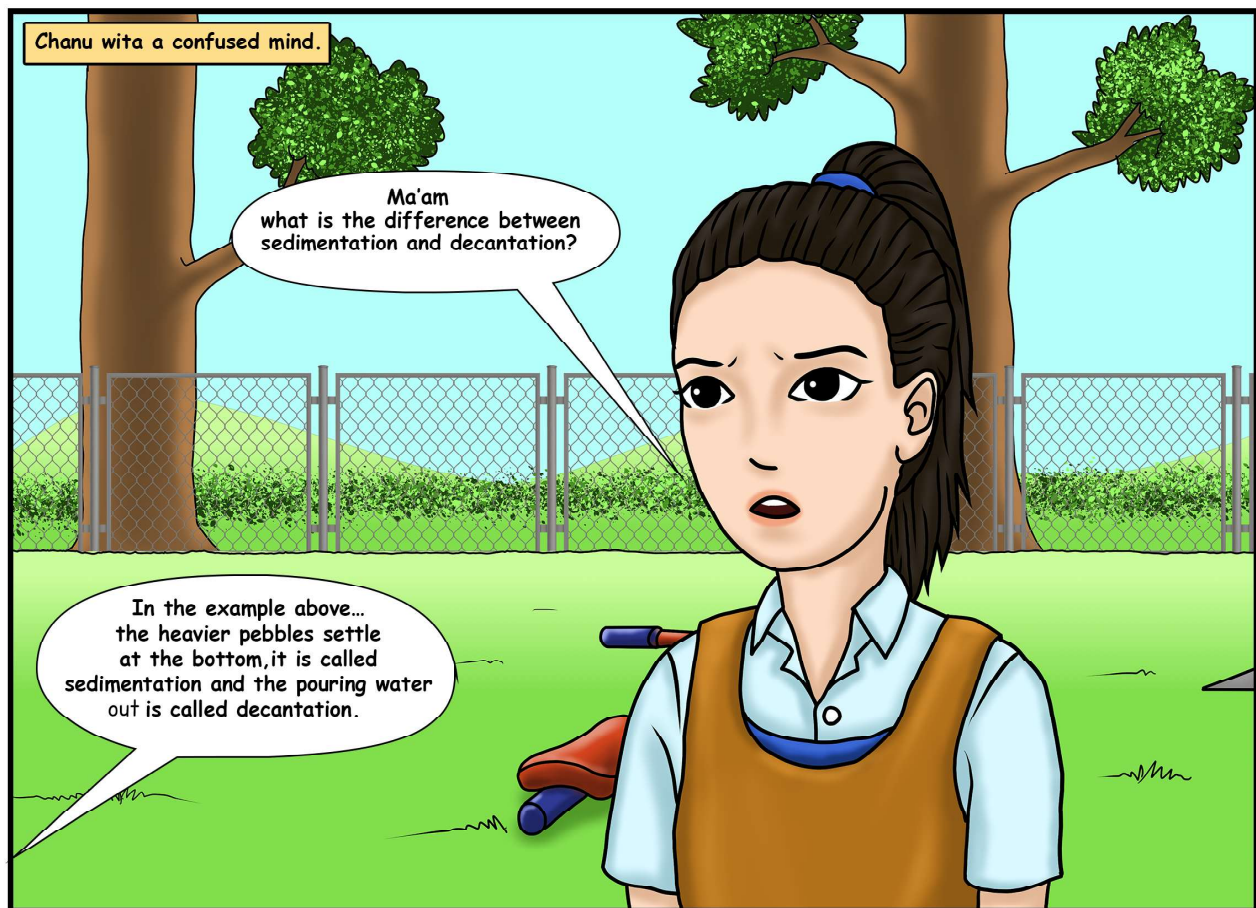
While Chanu was making shapes in the sand pit.







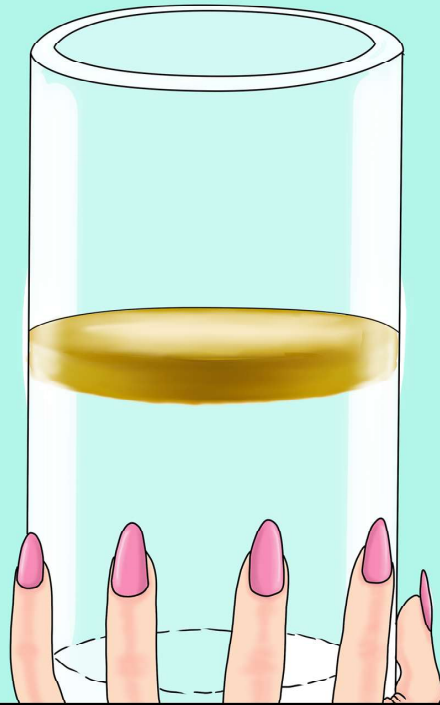




Inside the activity room, teacher shows a mixture of oil and water.

What do you observe?

Two different layers.

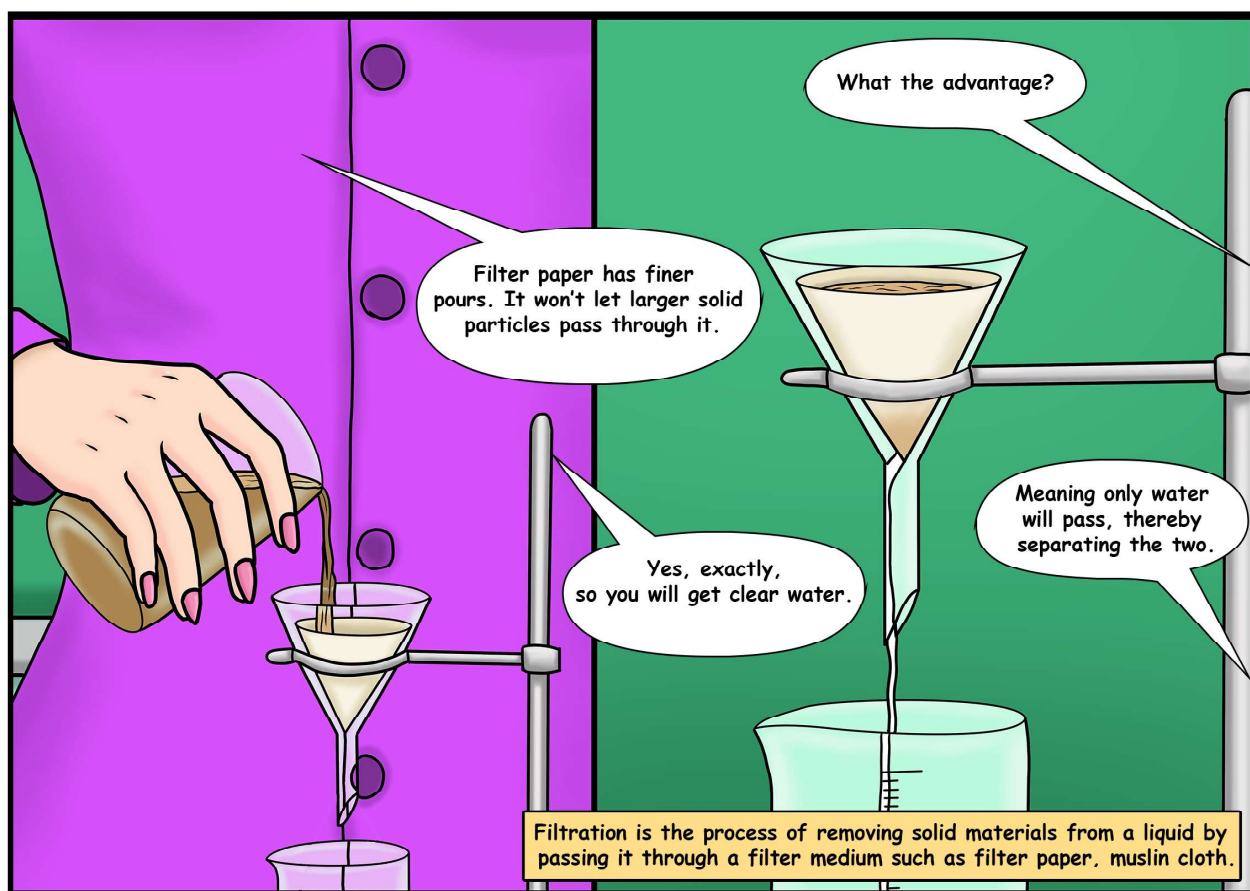
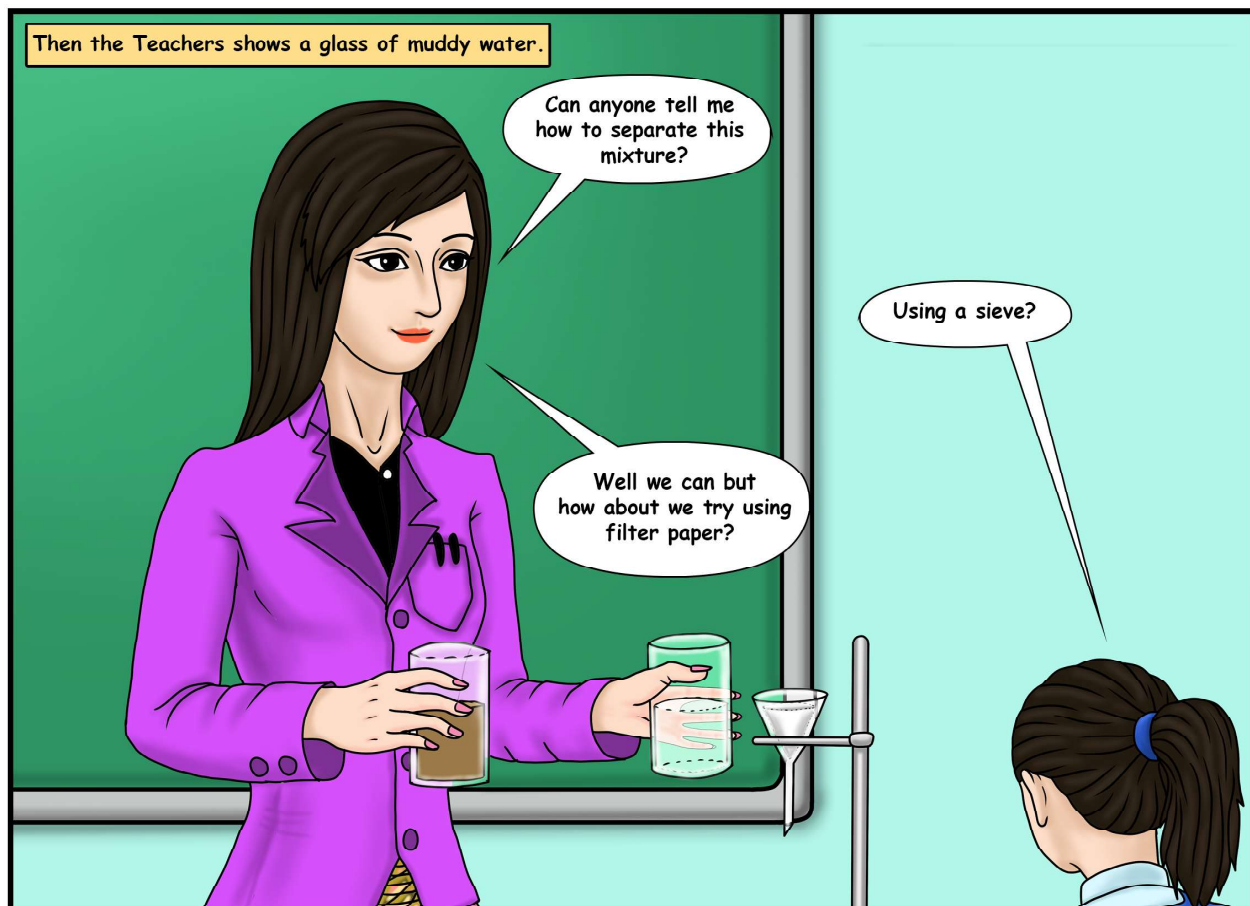


The teacher slowly tilts and pours out the oil.

What do we call this.

Decantation!!







Activity

Do it at home

1. Make a mixture of the following substances.

- a. a teaspoon each of moong dal and turmeric powder
- b. a few drops of hair oil and a half glass of water
- c. a handful of rice and half a teaspoon of paddy grain
- d. a tablespoon of Sand and a glass of water
- e. a teaspoon each of mustard seeds and salt

2. Which separation technique will you apply for the separation of the mixtures you are going to make? Write your observation in the table below.

Mixture	Technique of separation	Time taken for separation