

## Chapter- 5 Separation of Substances

### METHODS OF SEPARATION

#### Handpicking



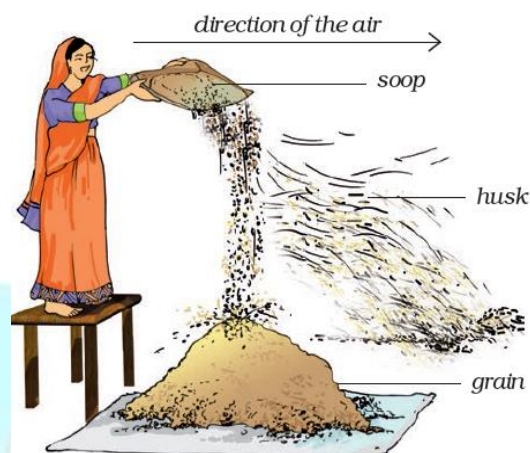
**Fig. 5.3** Handpicking stones from grain

#### Threshing



**Fig. 5.4** Threshing

#### Winnowing



**Fig. 5.5** Winnowing

#### Sieving



**Fig. 5.7** Pebbles and stones are removed from sand by sieving

### Sedimentation, Decantation and Filtration

- When the heavier component in a mixture settles after water is added to it, the process is called sedimentation.
- When the water (along with the dust) is removed, the process is called decantation

- Filtration- Filtration is any of various mechanical, physical or biological operations that separate solids from fluids by adding a medium through which only the fluid can pass.