

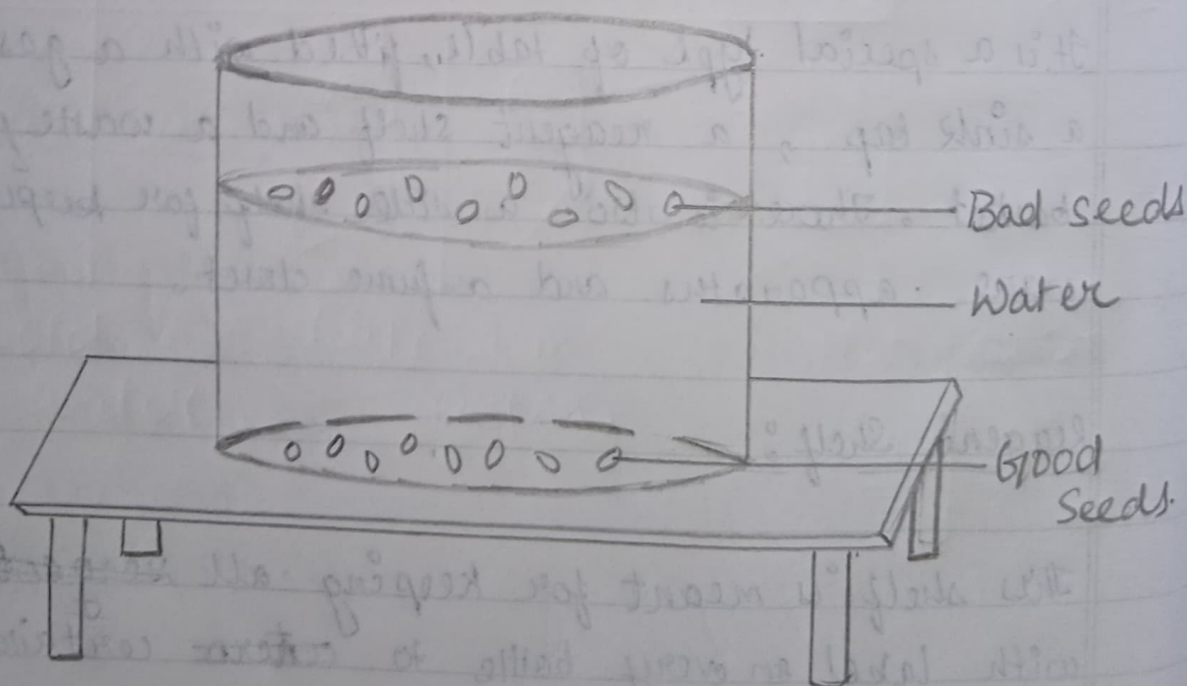
Exhaust Fan:

These fans are fitted near the roof of the walls to expel poisonous gases and fumes so that one can comfortably work for a longer time in the laboratory.

Balance Room:

A chemical laboratory has a separate room where a number of physical, chemical and electronic balances are kept for weighing chemicals.

Activity 1



Activity 1:

A farmer put some seeds into a beaker full of water. He observed that most of the seeds sink and a few seeds stay afloat. It is believed that the seeds that remain afloat are bad ones and those which sink to the bottom are the good seeds. This method helps farmers to separate the good seeds from the bad ones. Such separation is possible only because of proper and careful observations.

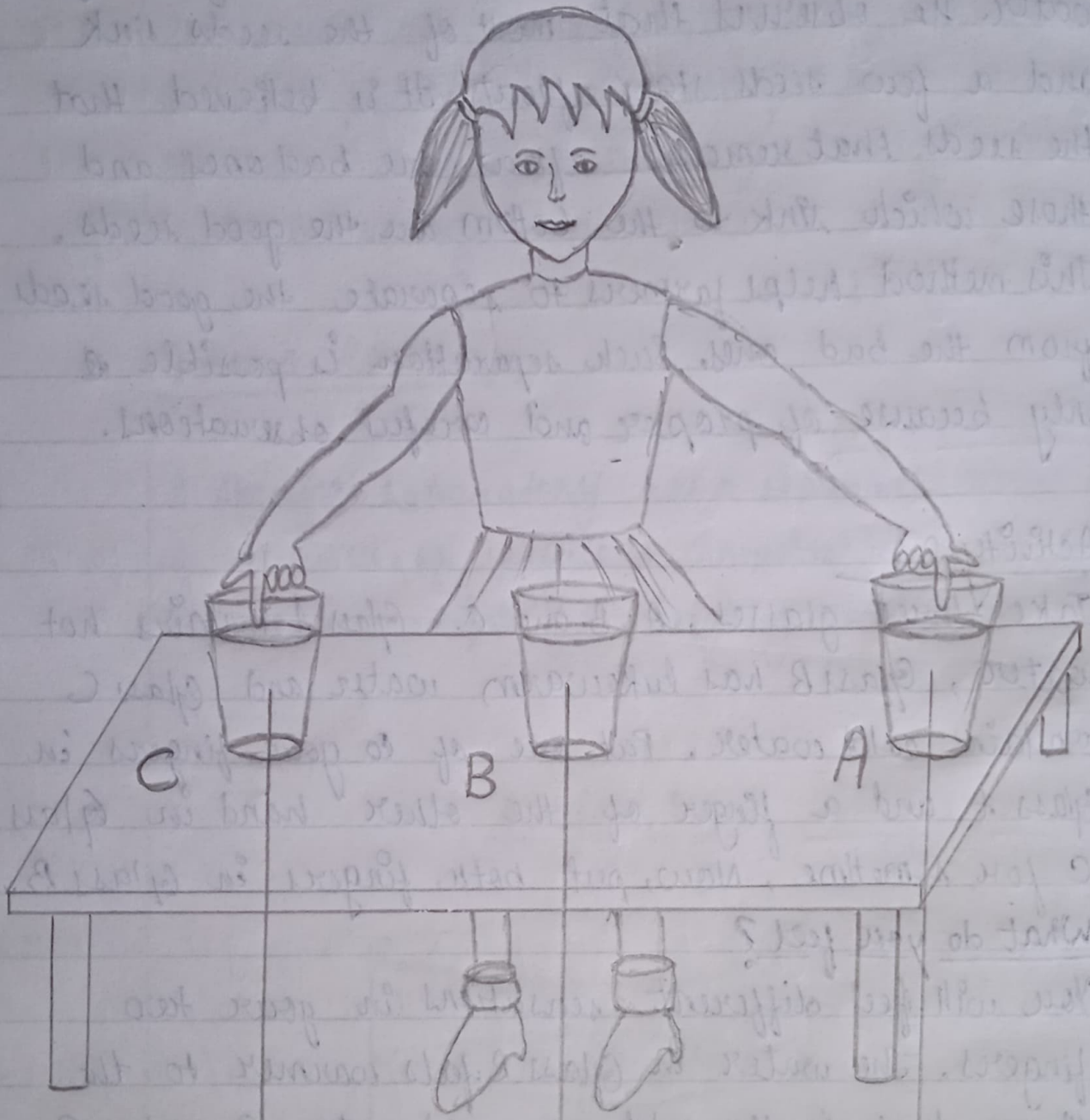
Activity 2:

Take three glasses, A, B and C. Glass A contains hot water, Glass B has lukewarm water and Glass C contains cold water. Put one of your fingers in Glass A and a finger of the other hand in Glass C for sometime. Now, put both fingers in Glass B.

What do you feel?

You will feel different sensations in your two fingers. The water in Glass B feels warmer to the finger kept in the ~~hot~~ cold water in Glass C whereas it feels cooler to the finger kept in hot water in Glass A. This is an experiment carried out to understand a particular phenomenon. This simple activity helps us to draw the scientific conclusion that the hotness or coldness of a substance is a relative term.

Activity 2



Cold
Water

lukewarm
water

Hot
Water