

Activity 1

A farmer puts some seeds into a bucket full of water. He observes that most of the seeds sink and a few seeds stay afloat. It is believed that the seeds that remained 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 observation.

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 something. Now, put both fingers in glass B.

What do you feel?

Ans. You will feel different sensations in your

two fingers. The water in glass B feels warmer to the finger kept in cold water in glass C, where as it feels cooler to the finger kept 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.