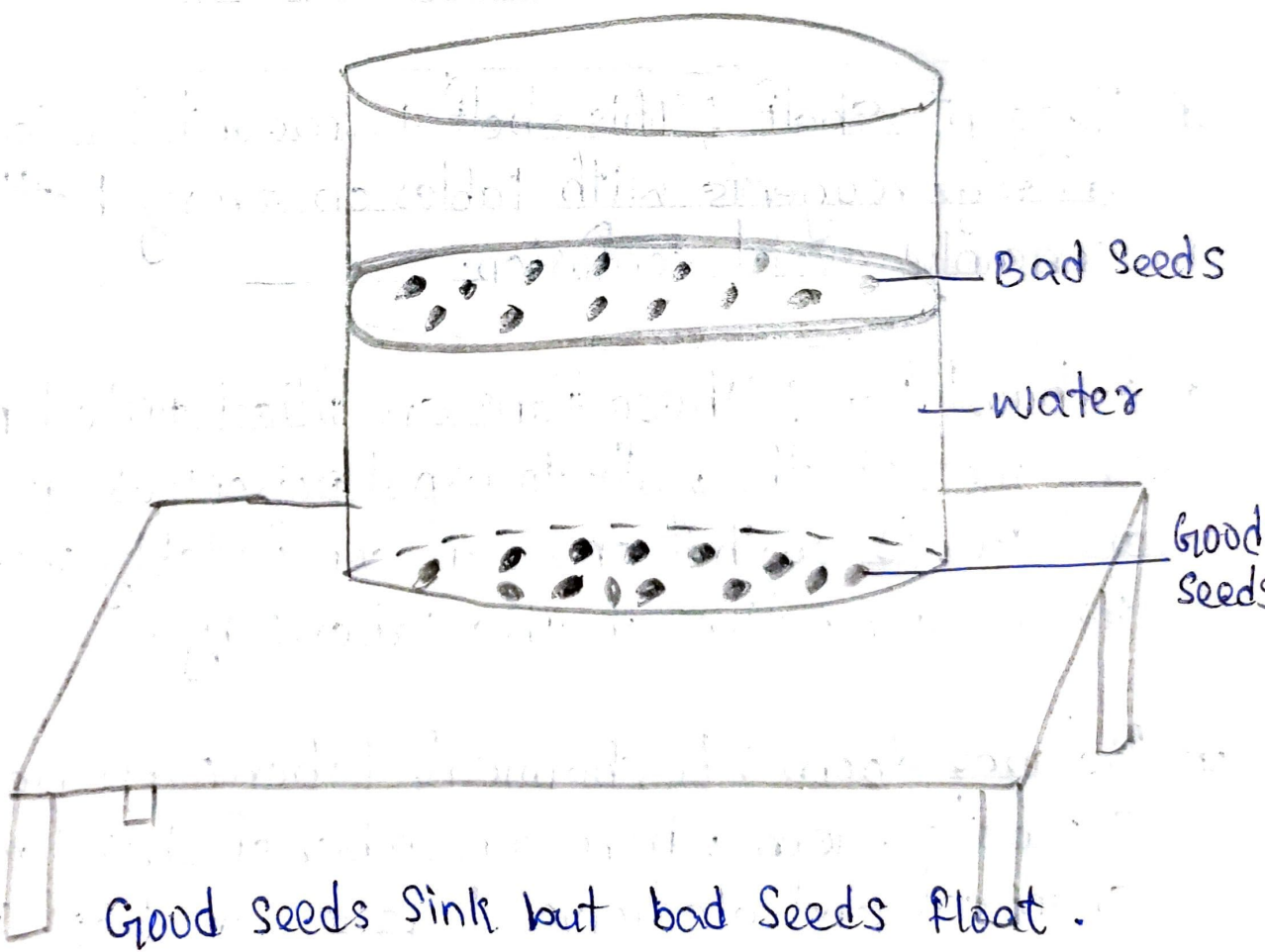


ACTIVITY-1

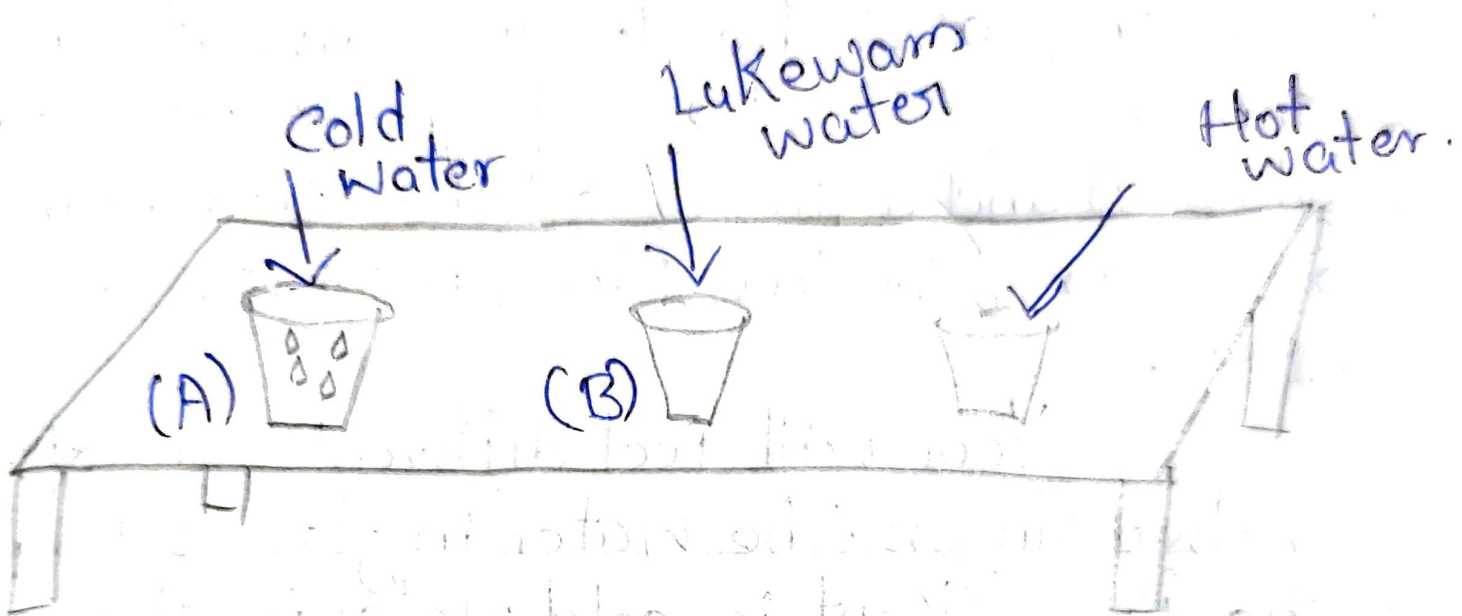
A farmer puts some seeds into a breaker full of water. He observes that most of the seeds sink and a few seeds stay afloat. It is believed that the seeds that remain are bad ones and those which sink to the bottom are the good seeds. This method helps farmers to separate the good seeds from the bad ones. 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 some time. Now, put both fingers in glass B.

You will feel different sensation in your two fingers. The water in glass B feels warmer to the finger kept in cold water in the 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~~ relative term.



The rate of evaporation depends on the temperature of the liquid. The higher the temperature, the faster the evaporation. In the experiment, the hot water in cup (C) evaporated the fastest, followed by the lukewarm water in cup (B), and the cold water in cup (A) evaporated the slowest. This shows that evaporation is a process that occurs at all temperatures, but it is most rapid at the highest temperature.