

Activity-5

Take some sand and water in a ~~beaker~~ beaker and stir it. Now allow the mixture to stand for some time (a).

You will see that the sand settles ^{at} the bottom of the beaker. This is called sedimentation (b). Now pour out water gently into another vessel without disturbing the sand (c). This is called decantation.

Activity 6

Take three beaker and fill three fourth of them with tap water. Add some sand to the water in the first beaker and some

clay to the second beaker. Stir the mixtures and allow them to stand for some time. Sand, being heavier than the water in the second beaker, settles down. But the water in the second beaker remains muddy. Now take a piece of alum and tie it with a string. Move it around in the muddy water in the second beaker. Then move it around in the third beaker containing clear tap water. You will observe that clay particles in the second beaker settle down more easily. You will see some fine solid sediment at the bottom of the third beaker too.

This shows that:-

it alum helps in faster settling of fine solid particles, and

it tap water too contains fine dust particles though it appears to be clear.

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