

# OSMOSIS

*Sleeping next to my  
notes, hoping that, they  
will go inside my brain  
through Osmosis...*

*Wordsmith:*

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*It's evening 5 pm, little Alice is reaching back to her home after classes.  
She opens the door and get's in. Mom has been cutting vegetables in  
background, she welcomes Alice with a warm hug..*



Mom(with eyebrows raised): Did you eat today's lunch properly? Or threw it away as usual?

Alice : Yes mom. I ate it full. The lunch was so tasty with the salt mango that my friend gave me. Will you teach me how to make salt mangoes like that mom?

Mom(smiling) : Yes, sure. That's pretty easy.

*Mom pointing towards fridge and says..*

Mom: We've some raw mangoes in the fridge. Take them in a jar and add salt water into it. Your tasty salt mangoes will be ready after three days. Simple as that.

*Alice walking towards fridge, folllows mom's instructions and keeps the jar  
safely in kitchen. Sun setting animation on the screen..After three days..*



Alice(staring at the jar) : Mom..mom..look at my mangoes!! It is shrinking. What's happening? Why is this so?

Mom : I will tell you kid.\_When a raw mango is placed in concentrated salt solution, it loses water due to a phenomenon called osmosis.

Water flows from solution of lower concentration to higher concentration to reach equilibrium. Osmosis always takes place through a membrane called semi permeable membrane (SPM). In this case, cell wall of mango acts as semi permeable membrane.

*On the screen, Alice and mom standing in kitchen near fridge. There is a jar  
containing raw mangoes and salt water. Animation of water oozing out very  
slowly from raw mangoes to the jar..Depict SPM with dotted lines..*

Alice(excited) : oooh ! Is it because of the same reason, my skin is getting wrinkles after long baths?

*Wrinkled hands of anxious Alice on the screen*

Mom : Yes Alice, exactly. When a person stays in a water bath for a prolonged time, osmosis occurs and water goes out of skin cells resulting in wrinkles.

Alice(smiles) : Got ya. Today onwards I'll cut down my bath time then...eee...(giggles)

Mom : Naughty you..haha...

*End of the scene :)*



