Name: _____ Block: __ Date: _____

Biology 8 : Gummi Bears and Osmosis

Day 1: Draw and weigh your gummi bear. Then put it in distilled water.
Day 2: Draw and weigh your gummi bear. Then put it in saltwater.
Day 3: Draw and weigh your bear. Then dispose of bear and clean container.

Day 1 Original Gummi Bear	Day 2 After Soaking in Distilled Water	Day 3 After soaking in Saltwater
mass of bear + container = mass of container = mass of bear =	mass of bear + container + water= mass of container + bear = mass of bear =	mass of bear + container + water= mass of container + bear = mass of bear =
	water molecules moved into / out of bear	water molecules moved into / out of bear
higher water molecule concentration in:	bear / distilled water	bear / saltwater
lower water molecule concentration in:	bear / distilled water	bear / saltwater

Is it Diffusion or is it Osmosis?

(Write the name of the process over the arrow.)

Start

Equilibrium

#1

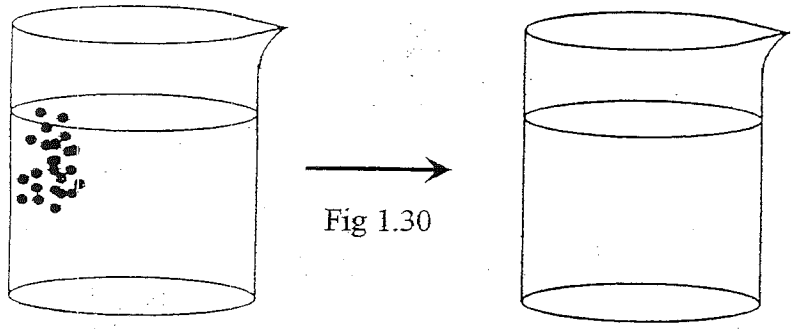
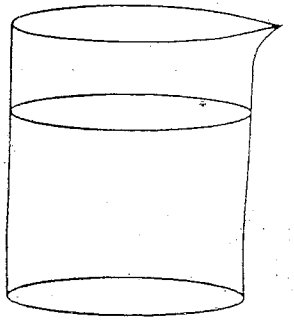


Fig 1.30



#2

membrane permeable to salt and water

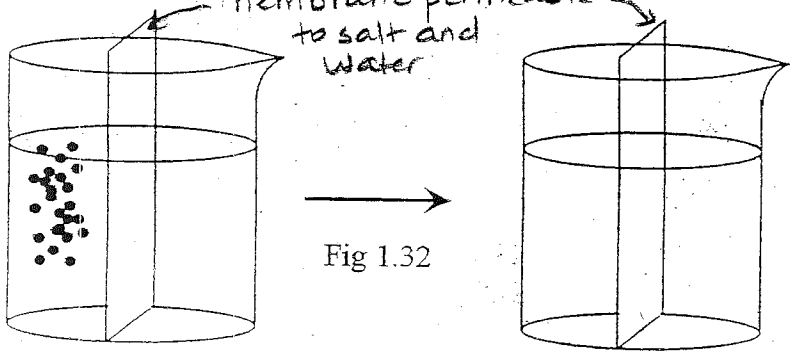
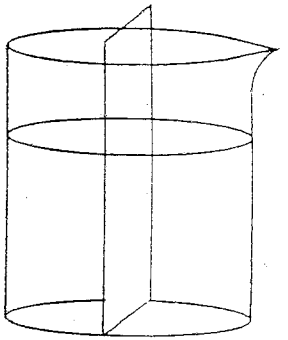


Fig 1.32



#3

membrane permeable to ~~salt~~ water only

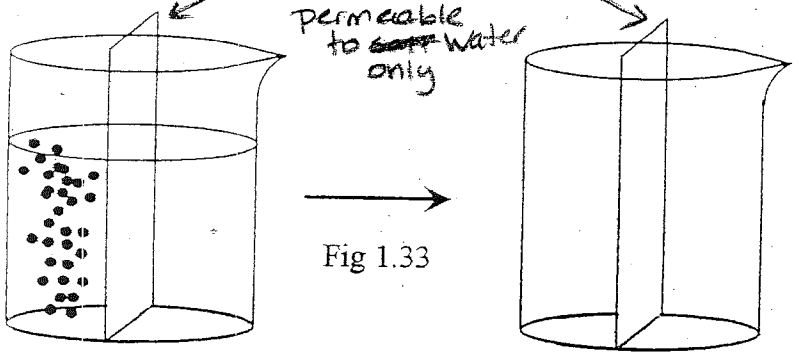
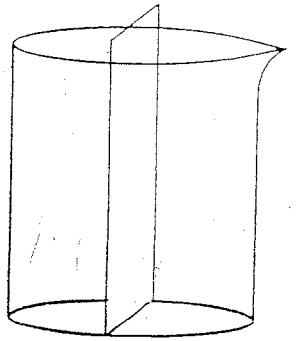


Fig 1.33



● = salt

(Water particles are not shown. Water is shown as "white" liquid).

Name:

Block:

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