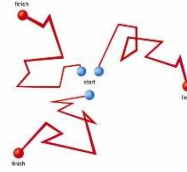
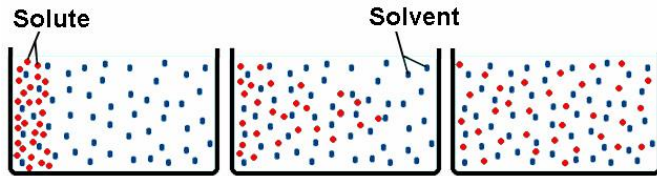


## Topic 2: Diffusion & Osmosis

Why does diffusion occur?



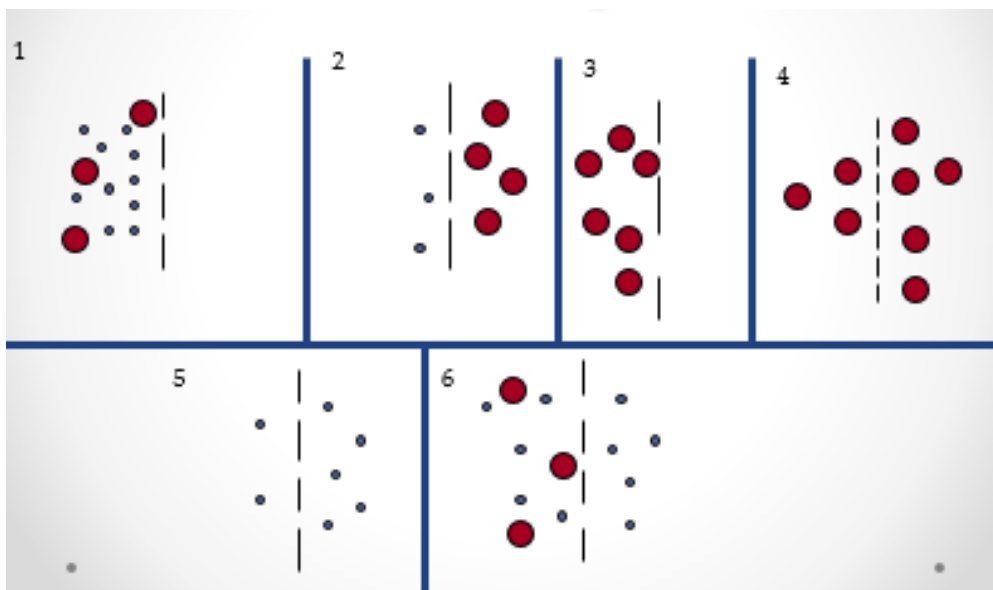
**Diffusion:**

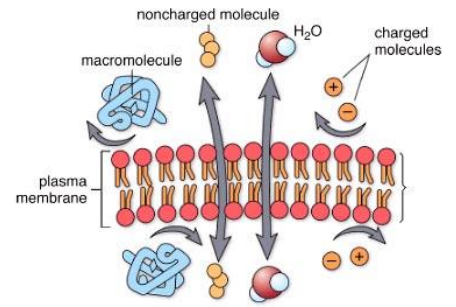
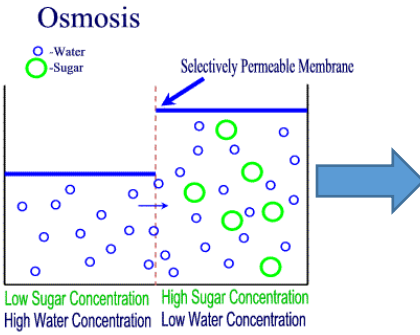


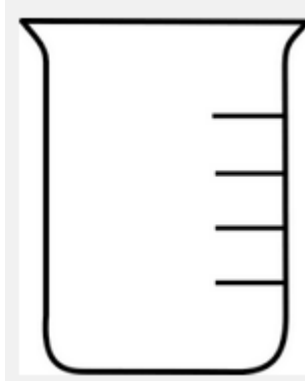
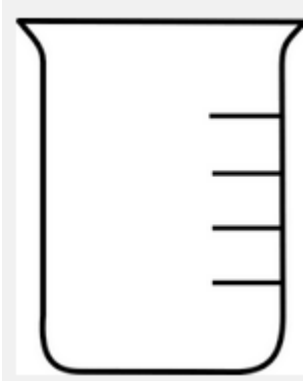
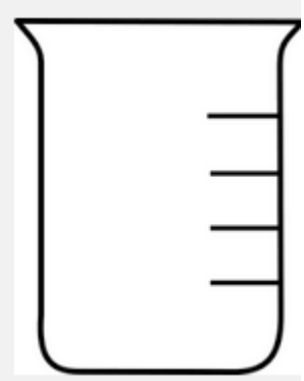
### Factors Affecting Diffusion

Temperature	
Surface Area	
Concentration Gradient	
Size of Particles	
Diffusion Medium	

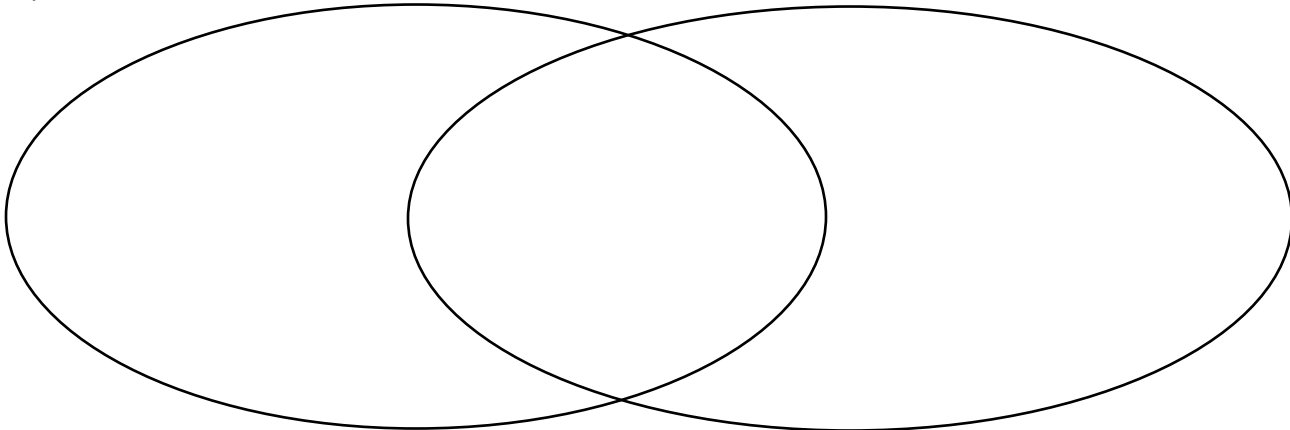
Show which molecules will diffuse in each of the figures below?





HYPOTONIC	HYPERTONIC	ISOTONIC
		

Compare & Contrast Diffusion & Osmosis



Questions to think about:

1. If human cells are hypotonic to sea water (salt water), why is drinking sea water for an extended period of time dangerous?
2. Why is salt used to free leaches from your skin?
3. If you drink an entire gallon of water, it is not all eliminated through urine. Where did the water go and why?