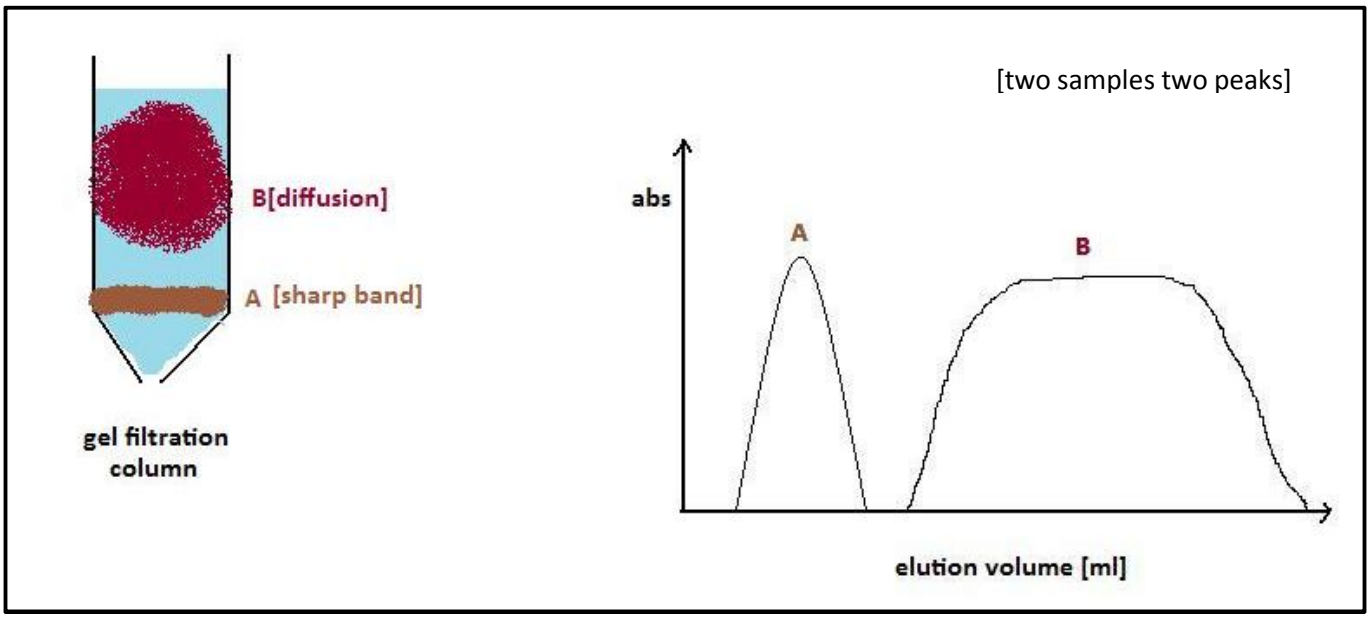
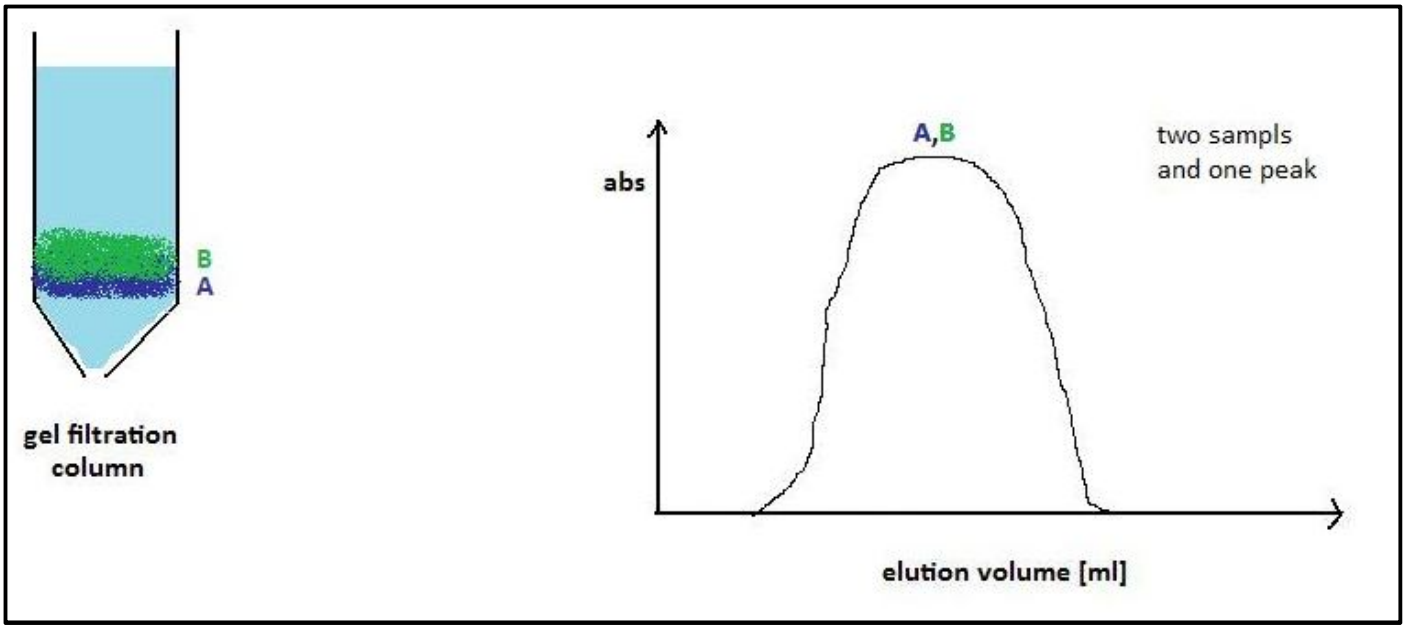
Gel filtration chromatography

(Cases)



Sample [A]: was good separated, it has a sharp band and sharp peak [from the graph].

But sample [B]: was bad separated because of the diffusion occurred to the sample. [from the graph the peak was very broad] which is may be the result of very slow flow rate of the sample B which will cause the diffusion,[also very small beads can cause this diffusion].



Here there is two samples but one peak result from the separation:

The separation was bad because of the overlapping of samples A and B with each other which result in this one peak, this overlapping may be the result of:

1.The pore size of the beads are not suitable for our samples[the pores do not cause the separation of A form B].

2.[A] and [B] having very slight difference in their molecular weight.