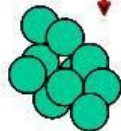
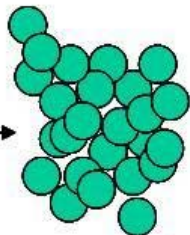
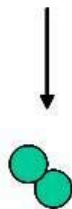


Antigen



**Compromised  
in the elderly**

*Dysfunctional cells*



Apoptosis

Contraction

Cytokines (eg. IL-15)

Memory

Expansion  
(ca. 28 PD  
in IM and cancer  
vaccination)

Activation of  
naive cells