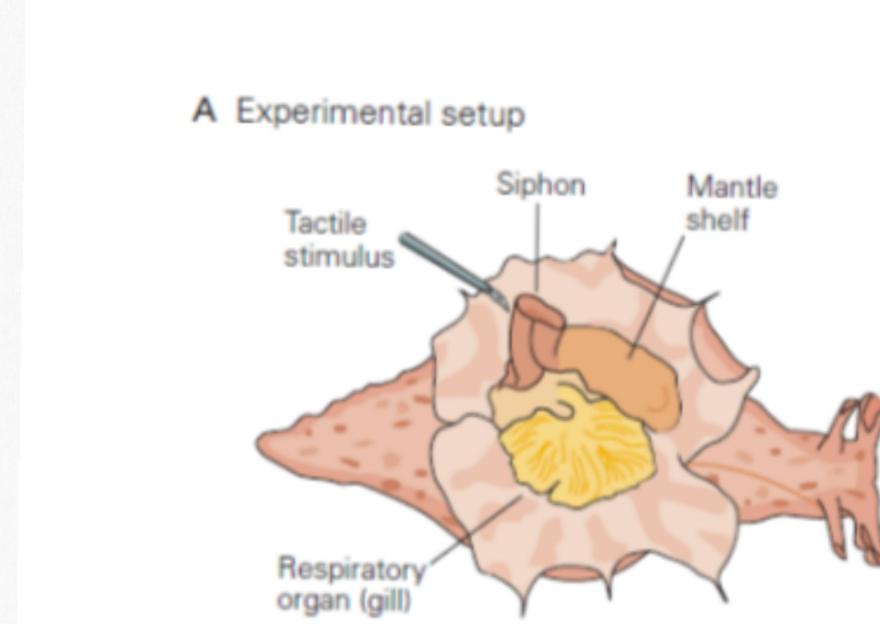
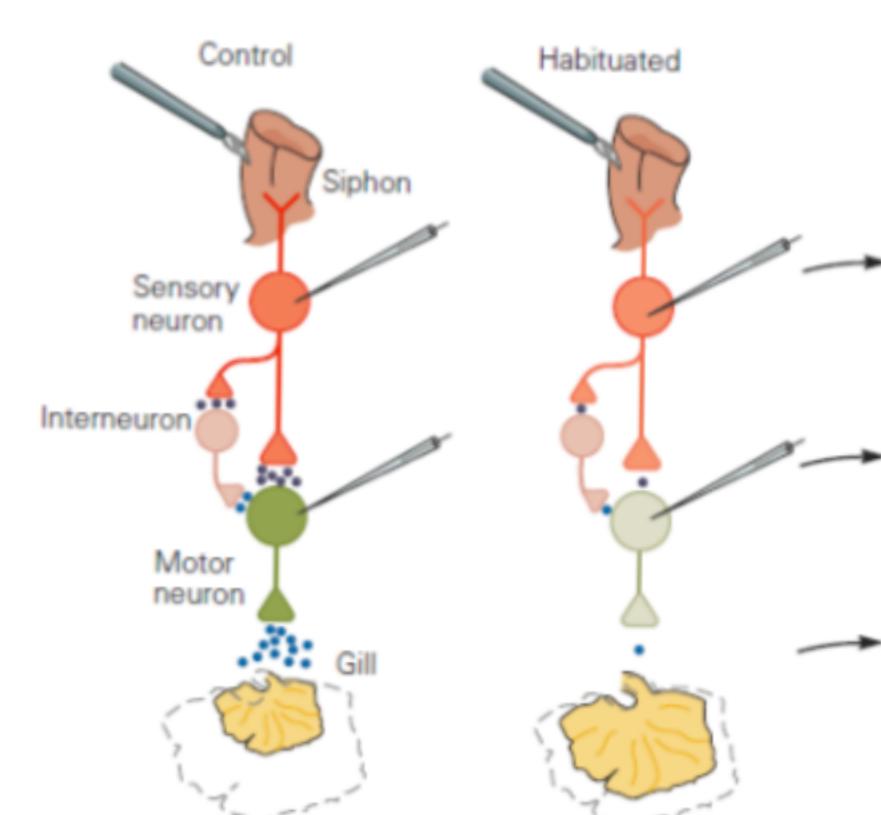


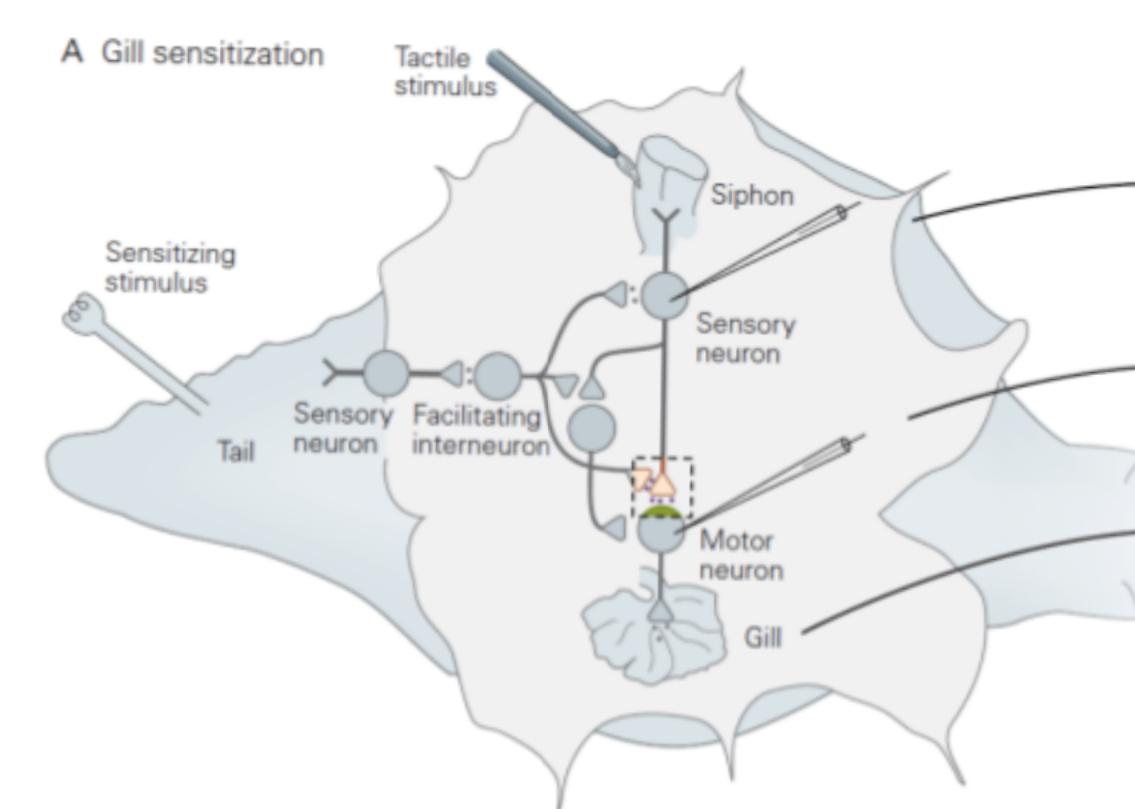
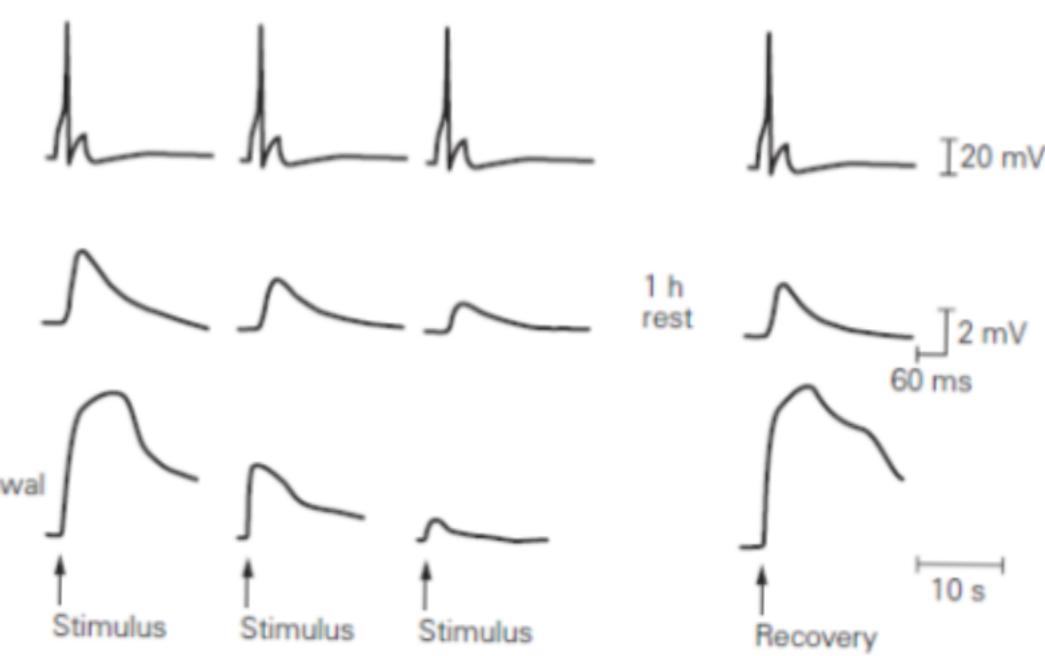
? Aplysia



B Gill-withdrawal reflex circuit



## Habituation



**Synaptic enhancement:**  
increase of readily  
releasable vesicles

LTP  
LTD

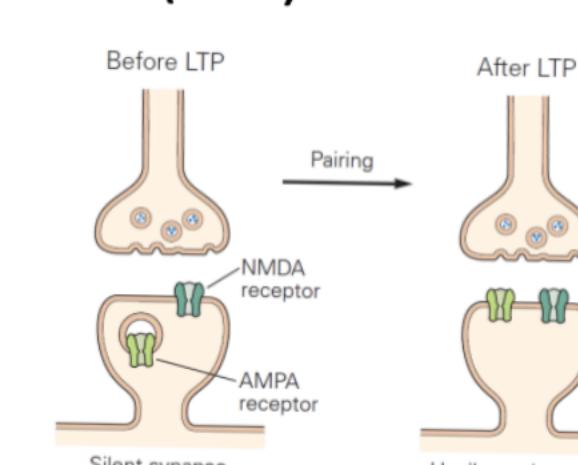
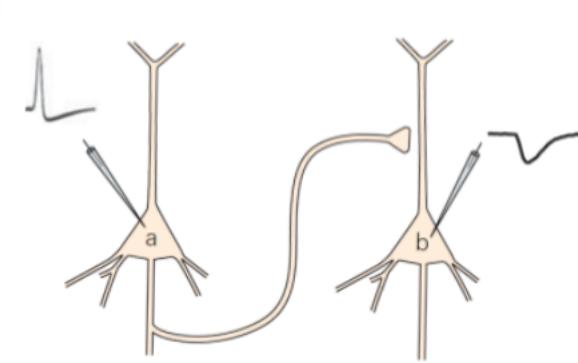
## Short-term plasticity

Synaptic enhancement: increase of readily releasable vesicles  
Synaptic depression: depletion of readily releasable vesicles

## Long-term plasticity

Long-term potentiation (LTP):

Stimulate AP in cell a Record EPSC in cell b



Long-term depression (LTD):

