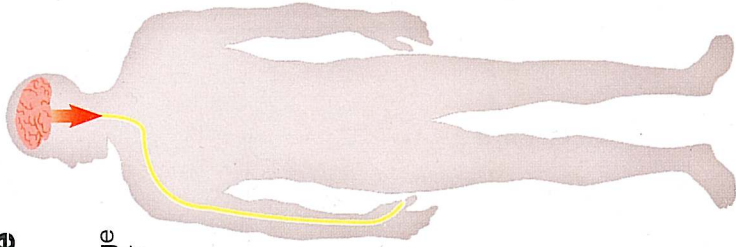


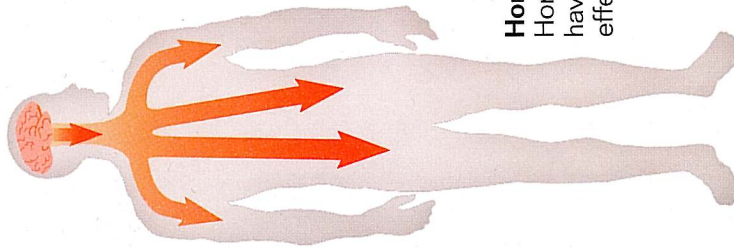
Nerves Versus Hormones

Scope

Nerves
 Each nerve message goes to a particular part of the body.

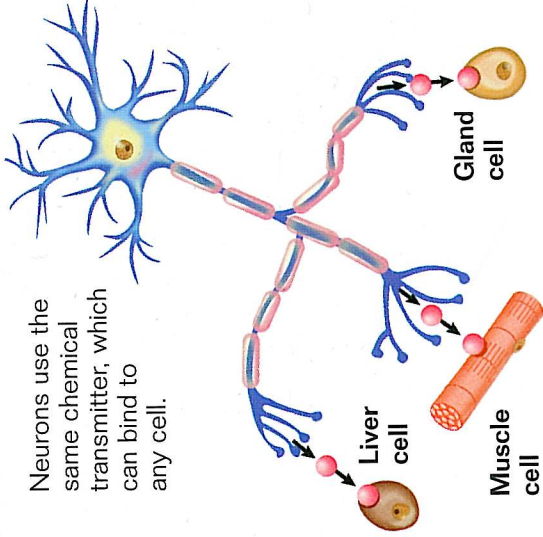


Hormones
 Hormones can have a general effect.



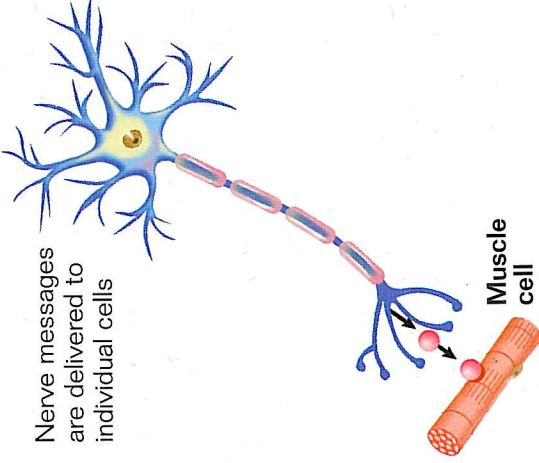
Specificity

Neurons use the same chemical transmitter, which can bind to any cell.

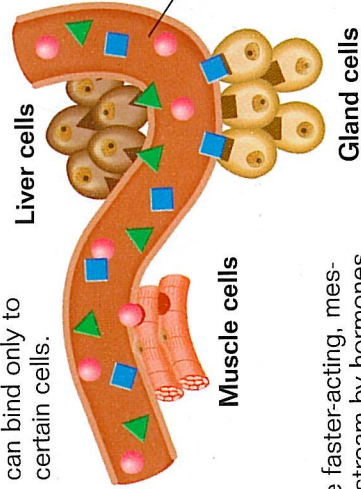


Flexibility

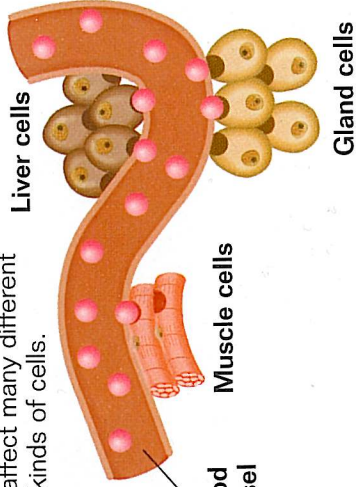
Nerve messages are delivered to individual cells.



Some hormones can bind only to certain cells.



Other hormones can affect many different kinds of cells.



While nerve messages are faster-acting, messages carried in the bloodstream by hormones have a greater scope and more flexibility, and they affect only those cells with receptors that match specific hormones.