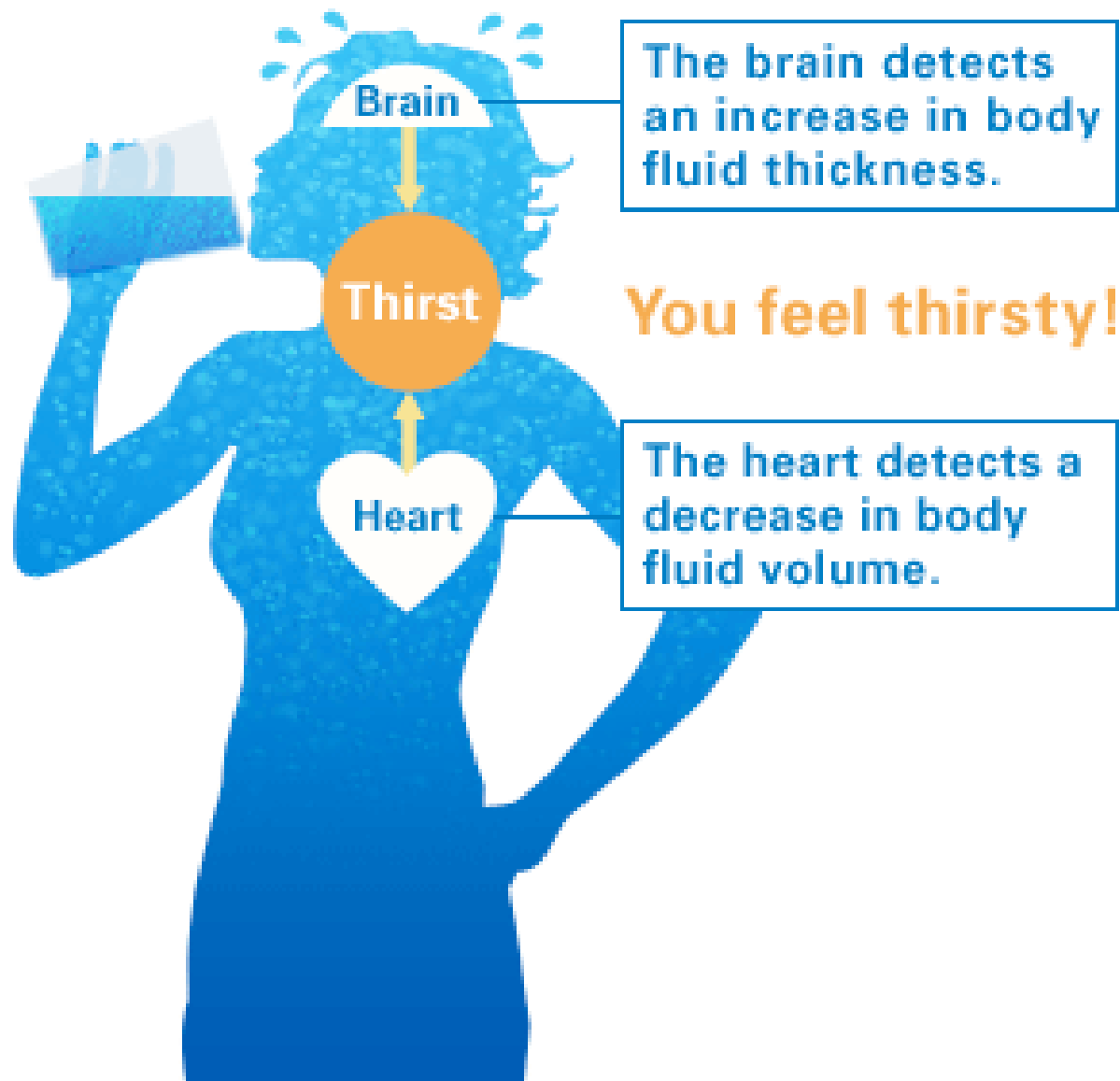
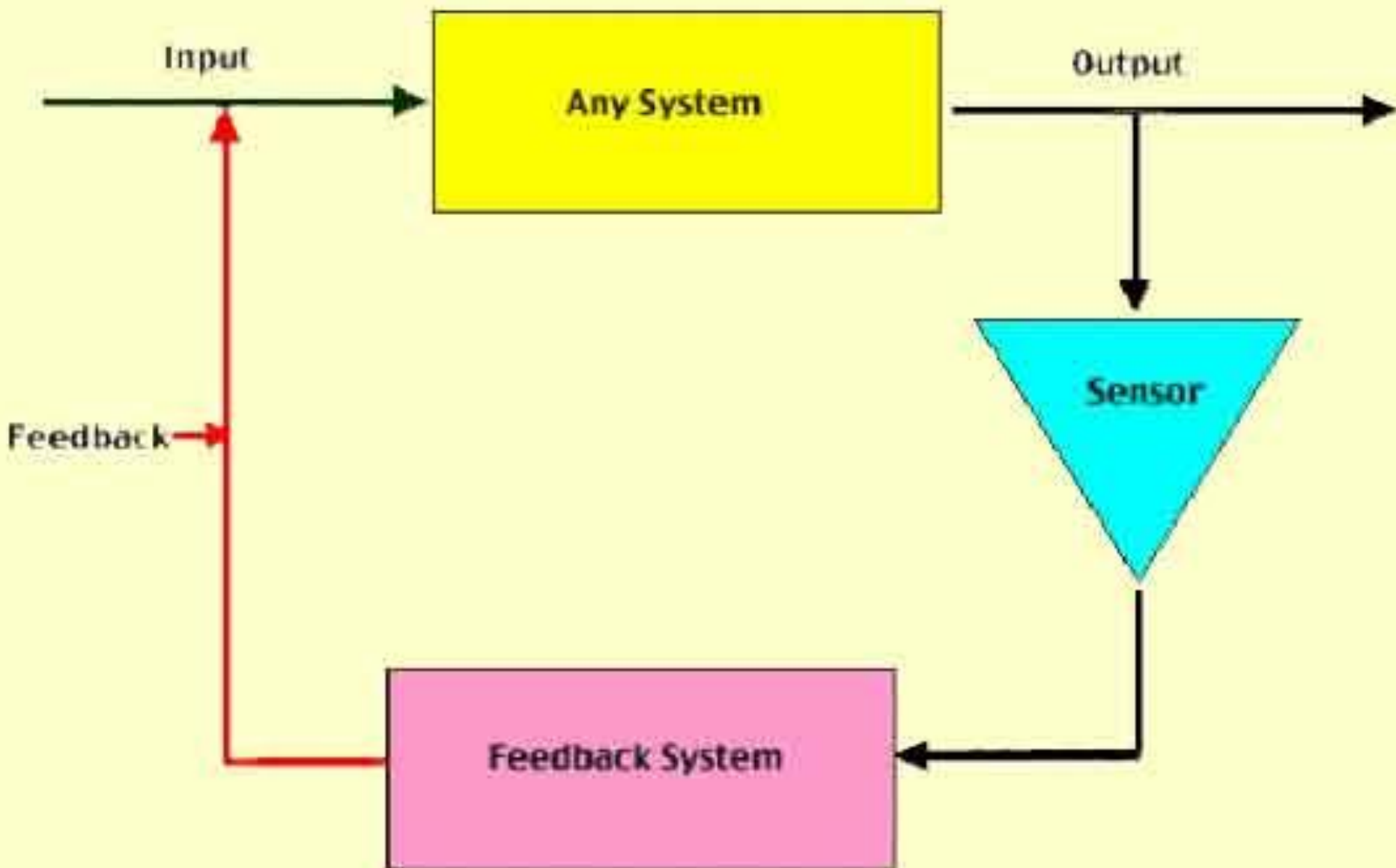


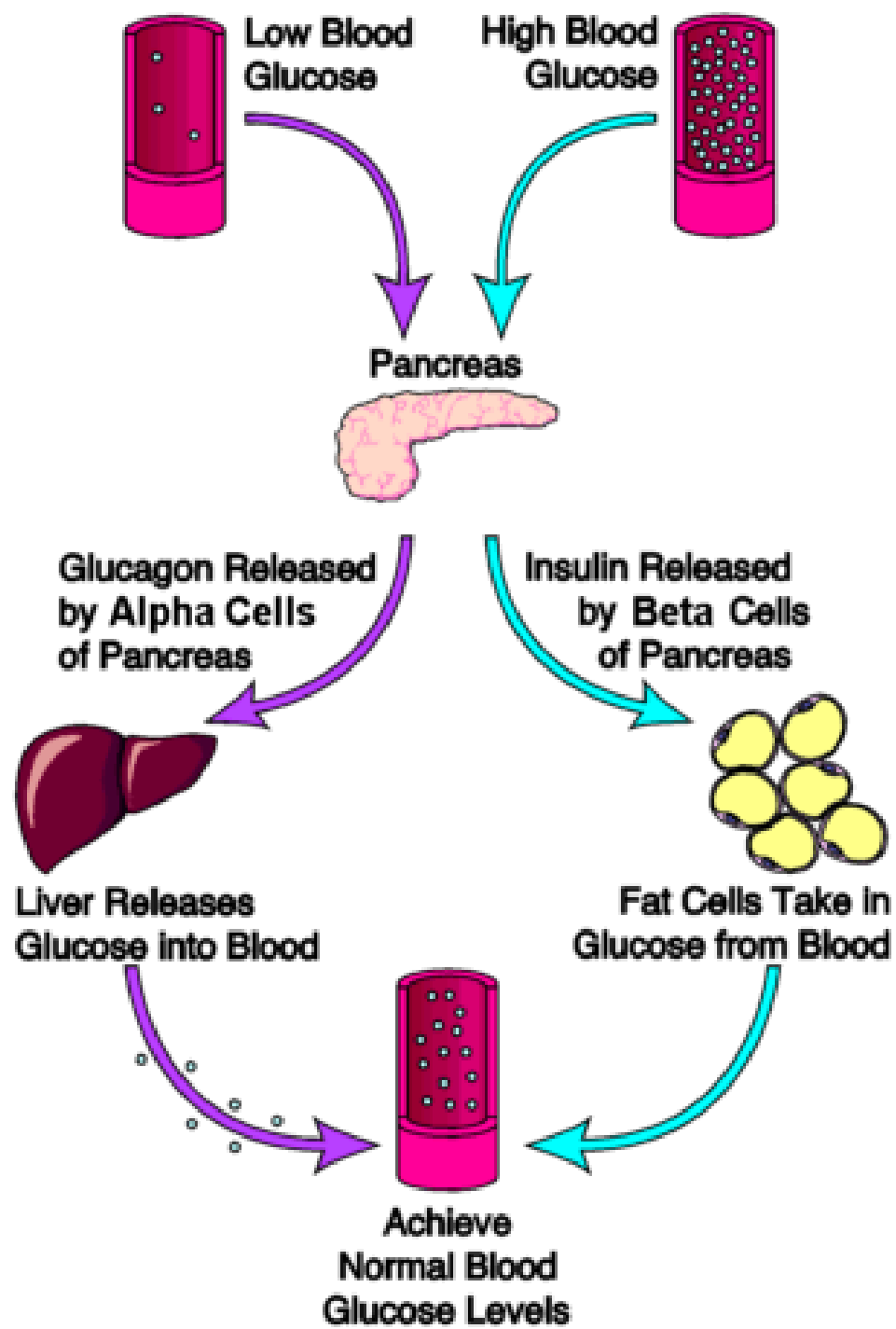
## The Mechanism of Thirst





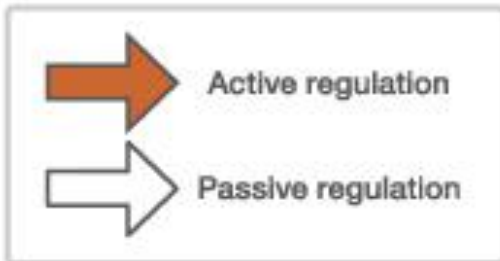
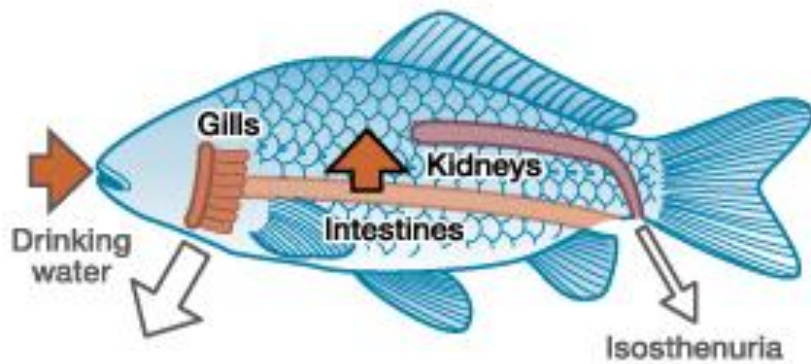


**Simple Feedback Loop**

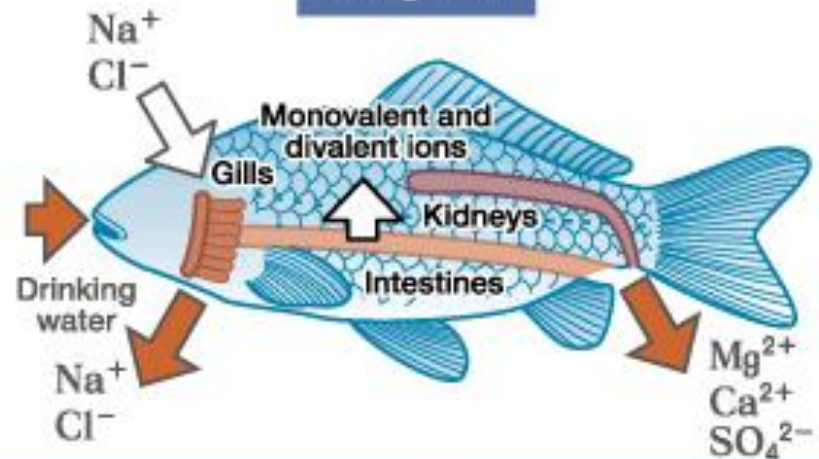




### Water regulation



### Ion regulation



	Ion concentration (mM)				
	Na <sup>+</sup>	Cl <sup>-</sup>	Mg <sup>2+</sup>	Ca <sup>2+</sup>	SO <sub>4</sub> <sup>2-</sup>
Seawater	470.3	508.2	54.5	10.5	30.4
Plasma	170.2	162.0	1.4	1.8	0.7

