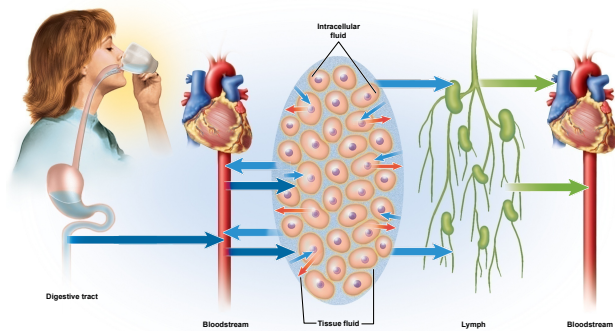


Fig. 24.1

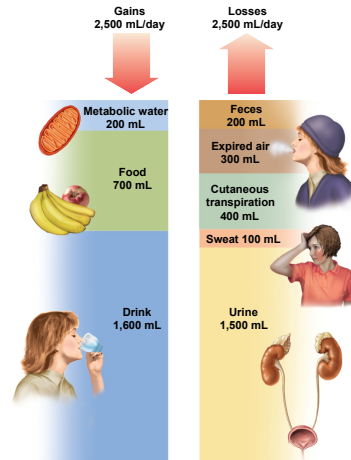
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1

Fig. 24.2

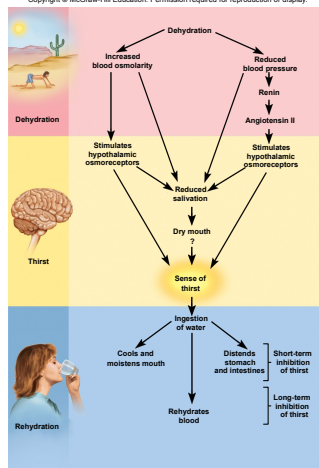
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2

Fig. 24.3

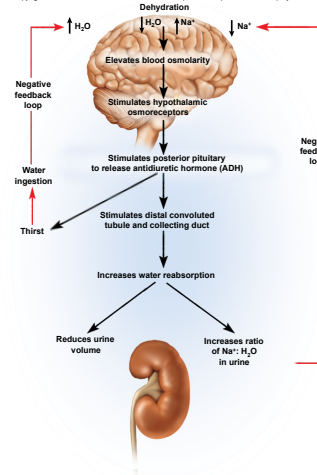
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3

Fig. 24.4

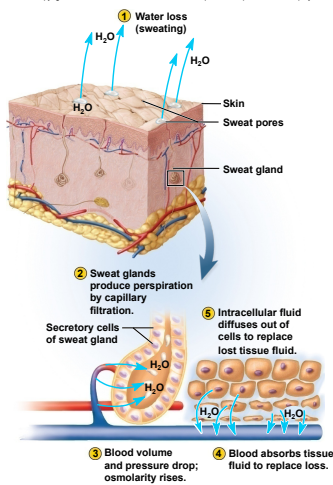
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4

Fig. 24.5

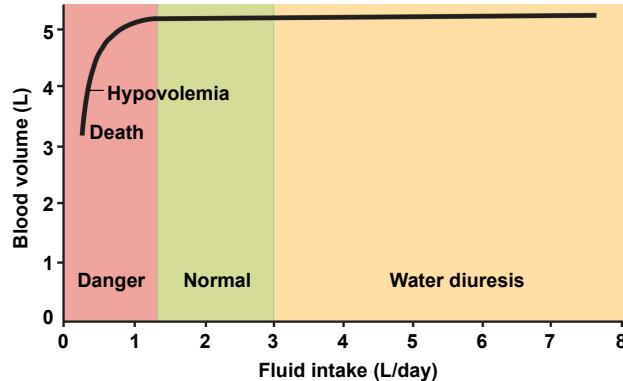
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Fig. 24.6

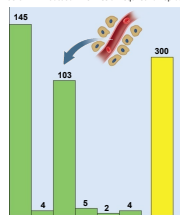
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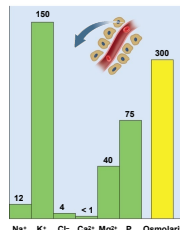
6

Fig. 24.7

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(a) Blood plasma



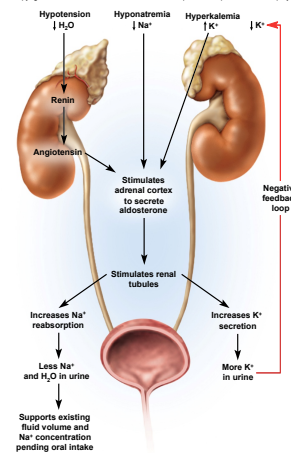
(b) Intracellular fluid

Osmolarity (mOsm/L)

7

Fig. 24.8

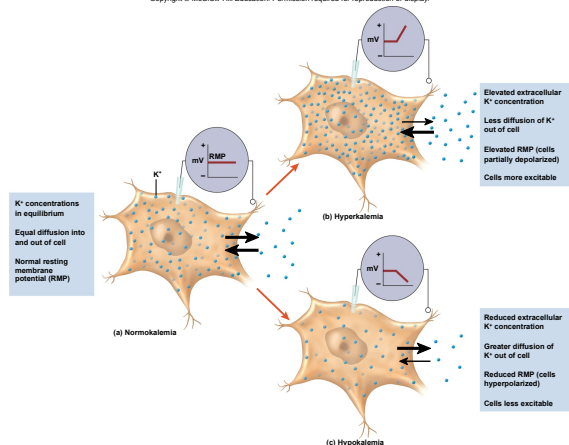
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Fig. 24.9

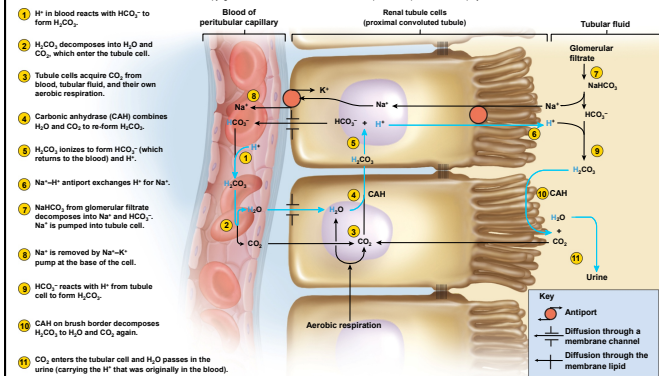
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9

Fig. 24.10

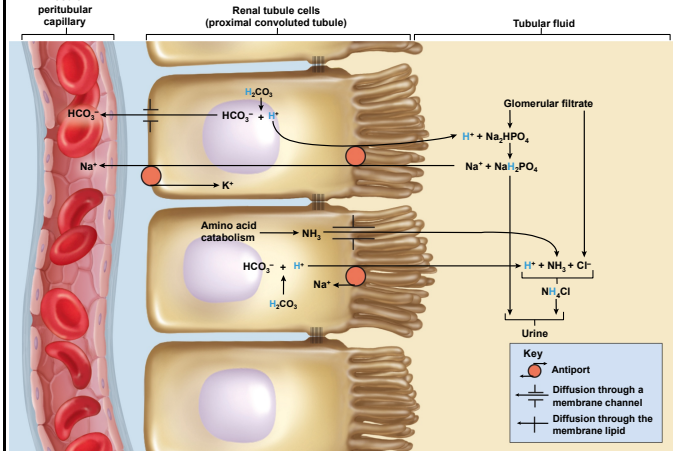
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10

Fig. 24.11

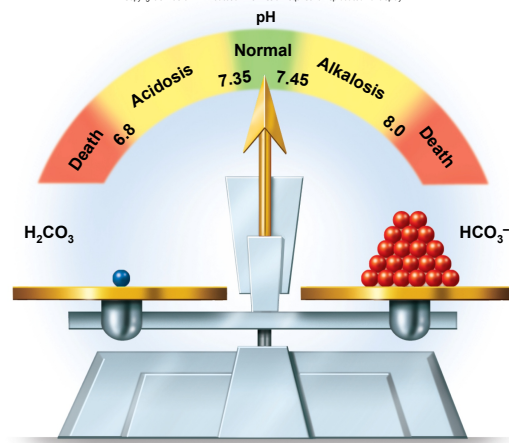
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Fig. 24.12

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Fig. 24.13

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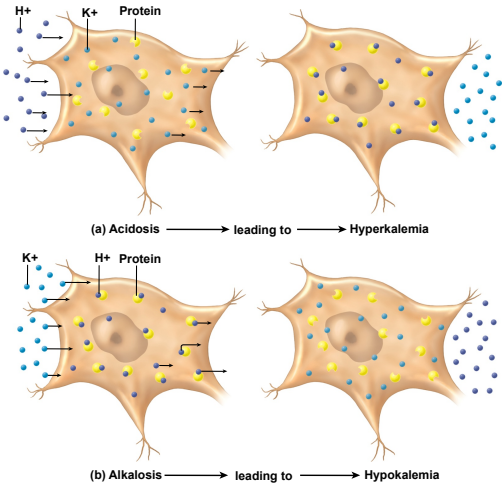


Table 24.2

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TABLE 24.2 Some Causes of Acidosis and Alkalosis		
	Acidosis	Alkalosis
Respiratory	Hypoventilation, apnea, or respiratory arrest; asthma; emphysema; cystic fibrosis; chronic bronchitis; narcotic overdose	Hyperventilation due to pain or emotions such as anxiety; oxygen deficiency (as at high elevation)
Metabolic	Excess production of organic acids as in diabetes mellitus and starvation; long-term anaerobic fermentation; hyperkalemia; chronic diarrhea; excessive alcohol consumption; drugs such as aspirin and laxatives	Rare but can result from chronic vomiting; overuse of bicarbonates (antacids); aldosterone hypersecretion