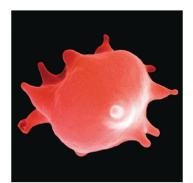


(a) **RBC** in isotonic solution



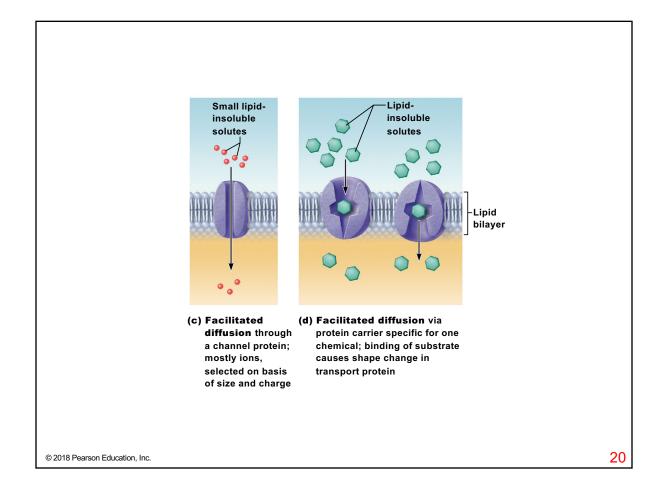
(b) RBC in hypertonic solution

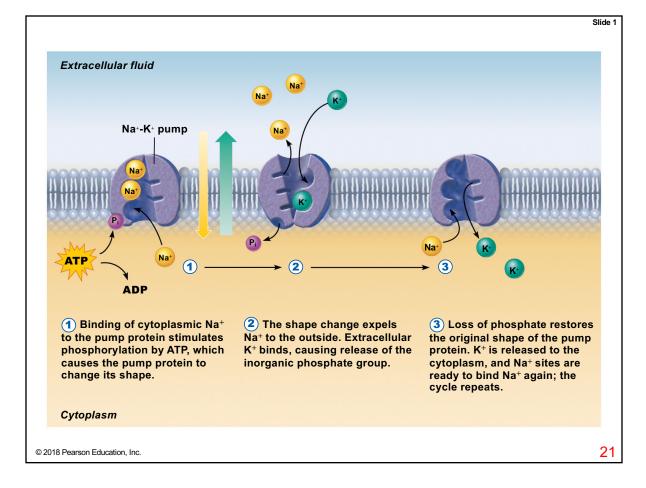


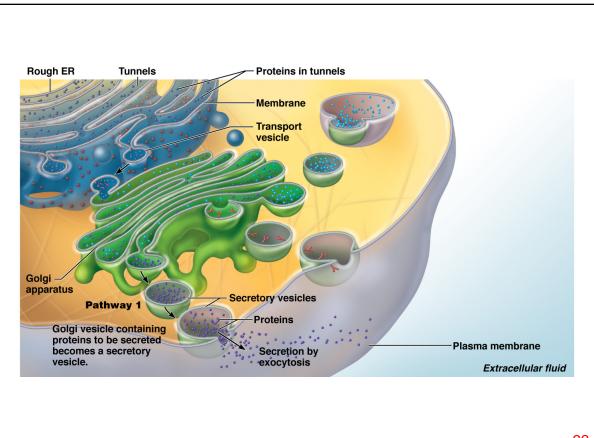
(c) RBC in hypotonic solution

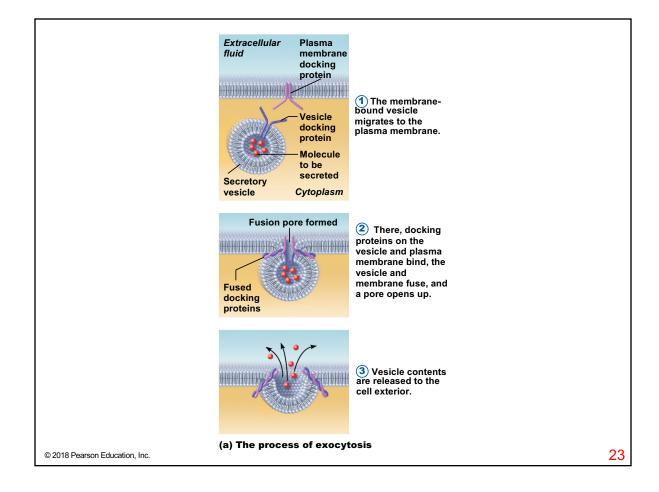
19

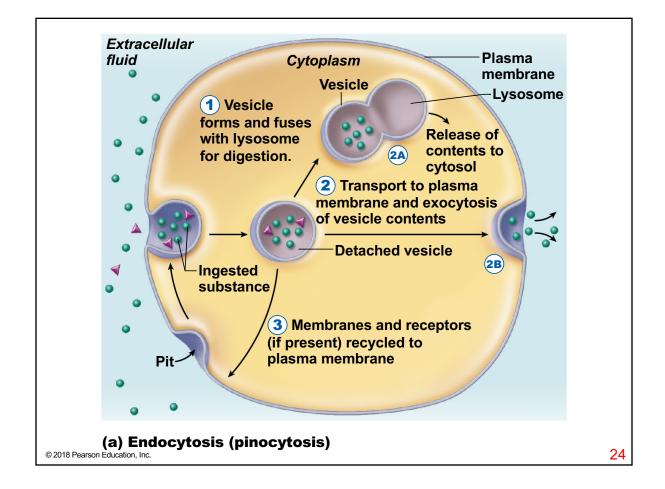
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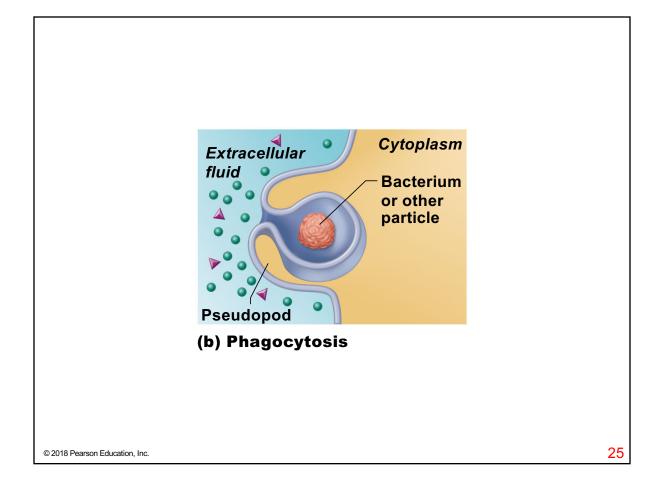


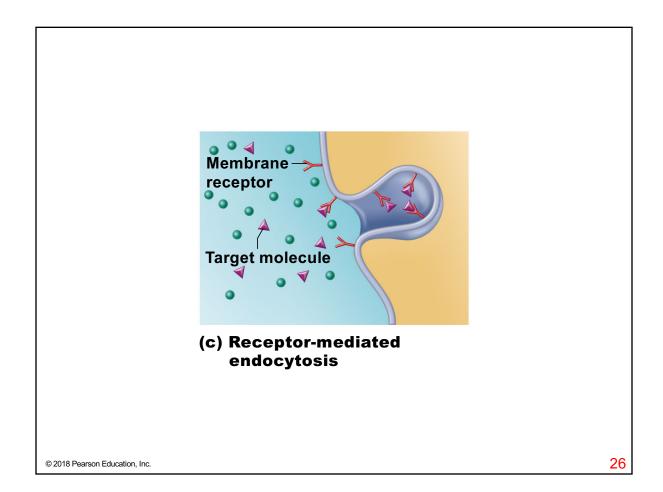


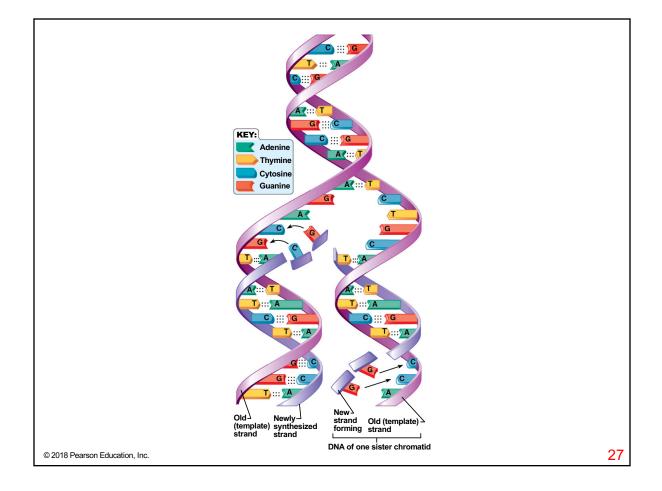


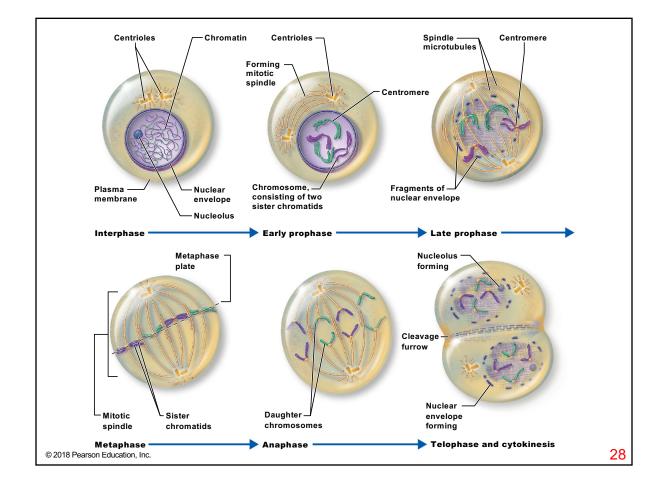


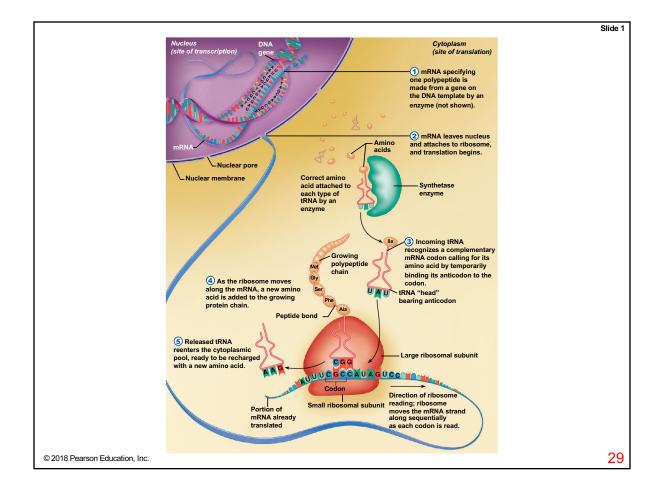


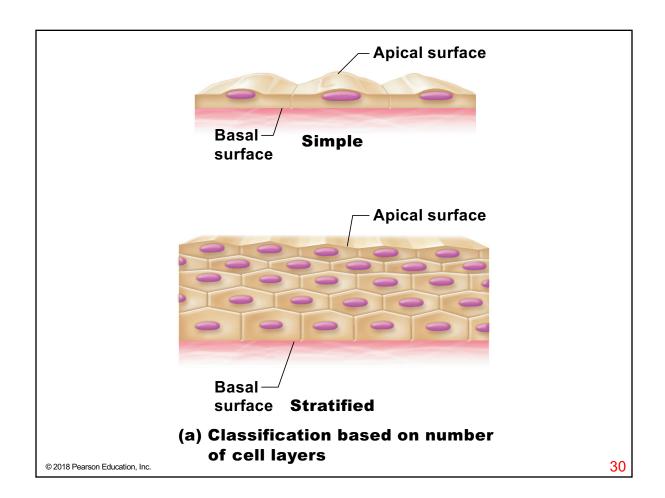


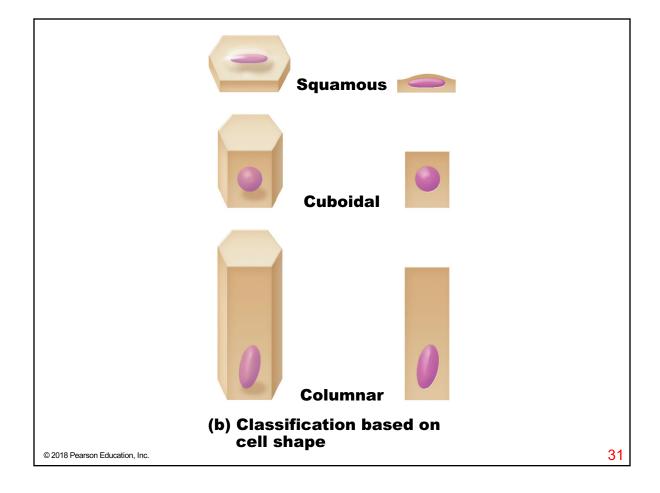












	Number of layers	
Cell shape	One layer: simple epithelial tissues	More than one layer: stratified epithelial tissues
Squamous	Diffusion and filtration Secretion in serous membranes	Protection
Cuboidal	Secretion and absorption; ciliated types propel mucus or reproductive cells	Protection; these tissue types are rare in humans
Columnar	Secretion and absorption; ciliated types propel mucus or reproductive cells	
Transitional	No simple transitional epithelium exists	Protection; stretching to accommodate distension of urinary structures

