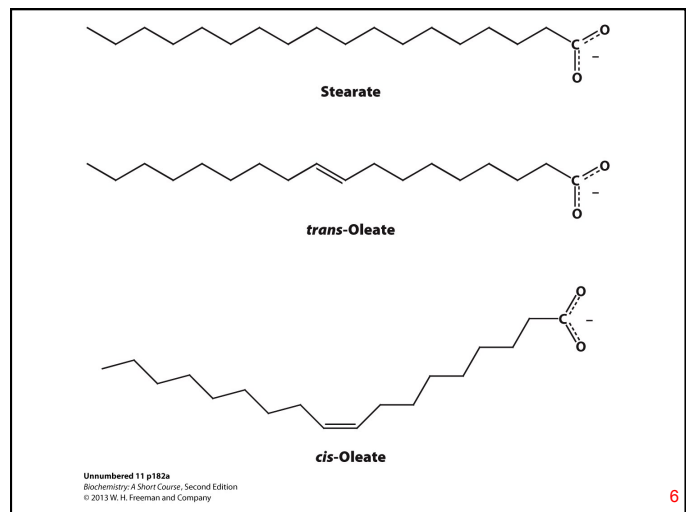


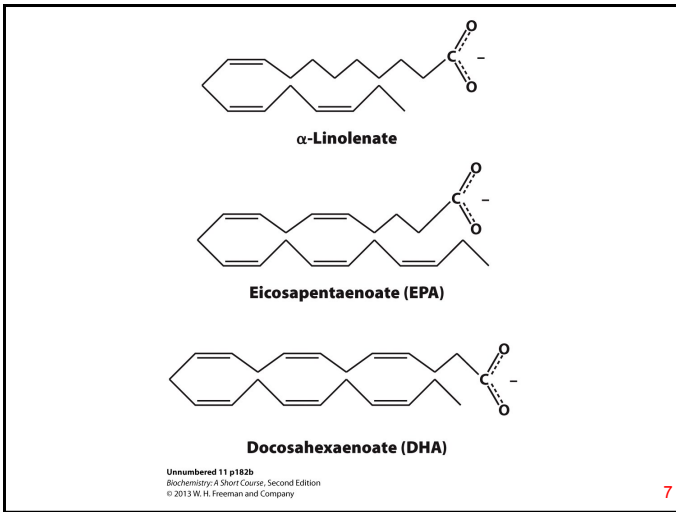
Table 11.1 Some naturally occurring fatty acids in animals

Number of carbon atoms	Number of double bonds	Common name	Systematic name	Formula
12	0	Laurate	<i>n</i> -Dodecanoate	CH ₃ (CH ₂) ₁₀ COO ⁻
14	0	Myristate	<i>n</i> -Tetradecanoate	CH ₃ (CH ₂) ₁₂ COO ⁻
16	0	Palmitate	<i>n</i> -Hexadecanoate	CH ₃ (CH ₂) ₁₄ COO ⁻
18	0	Stearate	<i>n</i> -Octadecanoate	CH ₃ (CH ₂) ₁₆ COO ⁻
20	0	Arachidate	<i>n</i> -Eicosanoate	CH ₃ (CH ₂) ₁₈ COO ⁻
22	0	Behenate	<i>n</i> -Docosanoate	CH ₃ (CH ₂) ₂₀ COO ⁻
24	0	Lignocerate	<i>n</i> -Tetracosanoate	CH ₃ (CH ₂) ₂₂ COO ⁻
16	1	Palmitoleate	<i>cis</i> -Δ ⁵ -Hexadecenoate	CH ₃ (CH ₂) ₅ CH=CH(CH ₂) ₉ COO ⁻
18	1	Oleate	<i>cis</i> -Δ ⁷ -Octadecenoate	CH ₃ (CH ₂) ₇ CH=CH(CH ₂) ₉ COO ⁻
18	2	Linoleate	<i>cis, cis</i> -Δ ^{7, 11} -Octadecadienoate	CH ₃ (CH ₂) ₄ (CH=CHCH ₂) ₂ (CH ₂) ₇ COO ⁻
18	3	Linolenate	<i>all-cis</i> -Δ ^{7, 11, 15} -Octadecatrienoate	CH ₃ CH ₂ (CH=CHCH ₂) ₃ (CH ₂) ₂ COO ⁻
20	4	Arachidonate	<i>all-cis</i> -Δ ^{5, 8, 11, 14} -Eicosatetraenoate	CH ₃ (CH ₂) ₄ (CH=CHCH ₂) ₄ (CH ₂) ₅ COO ⁻

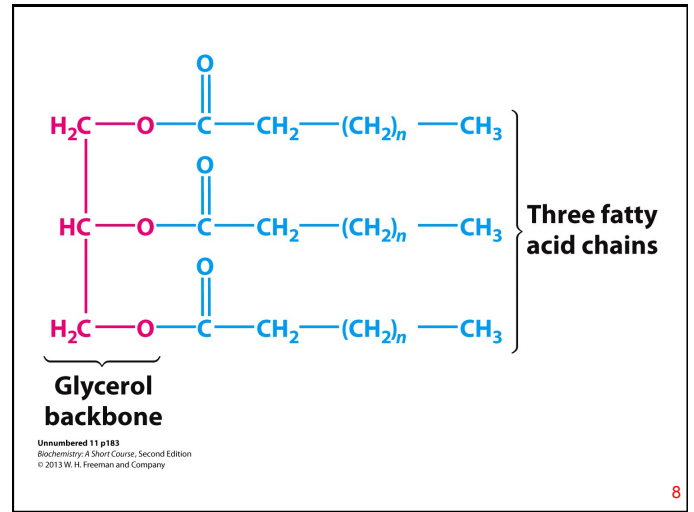
Table 11.1
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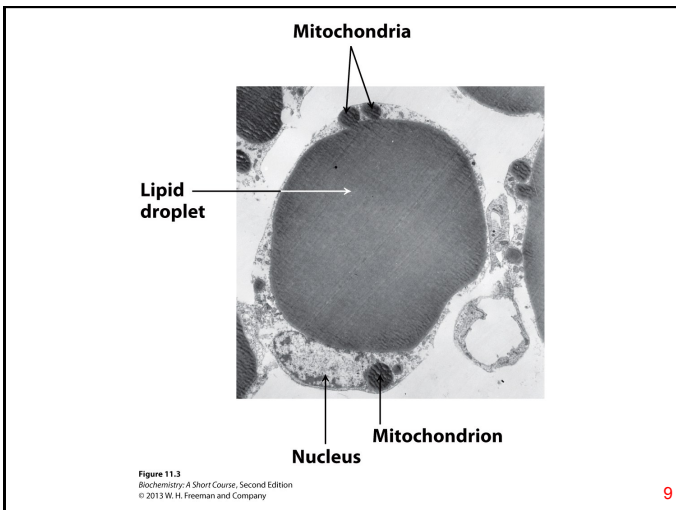




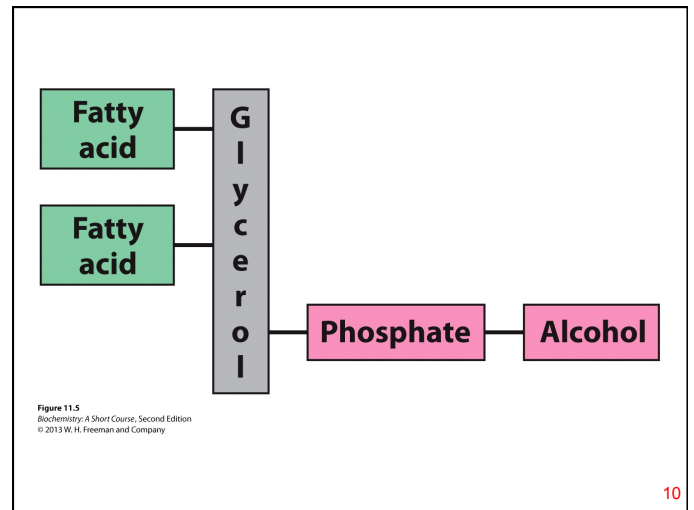
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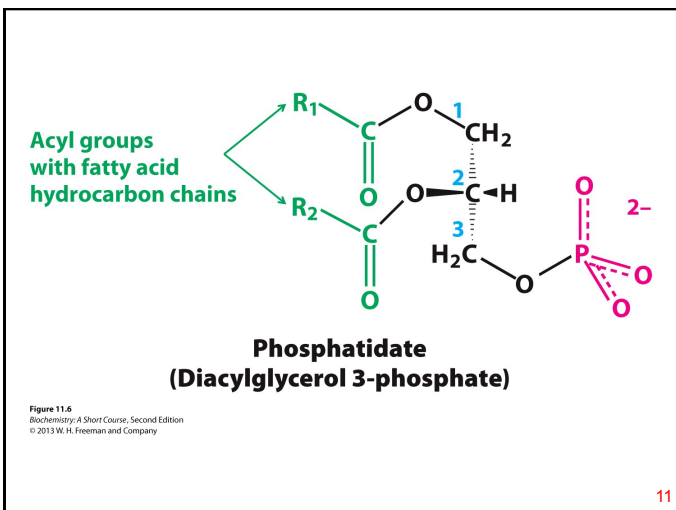
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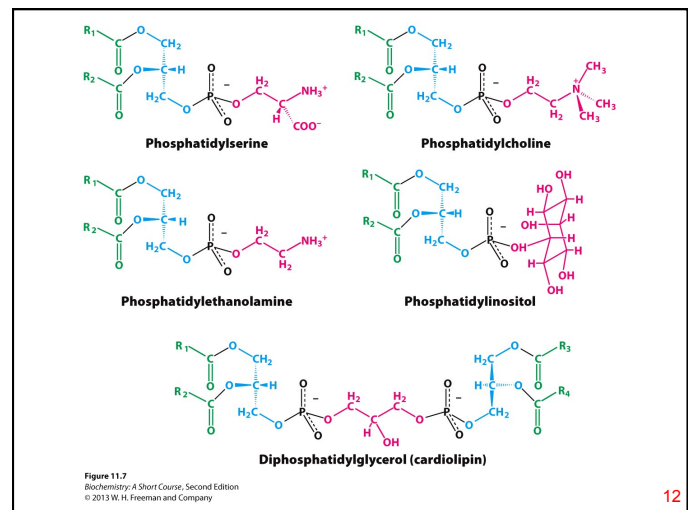
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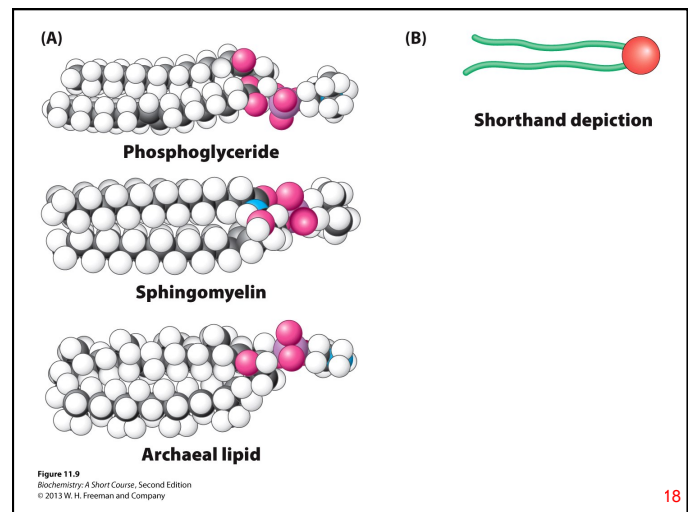
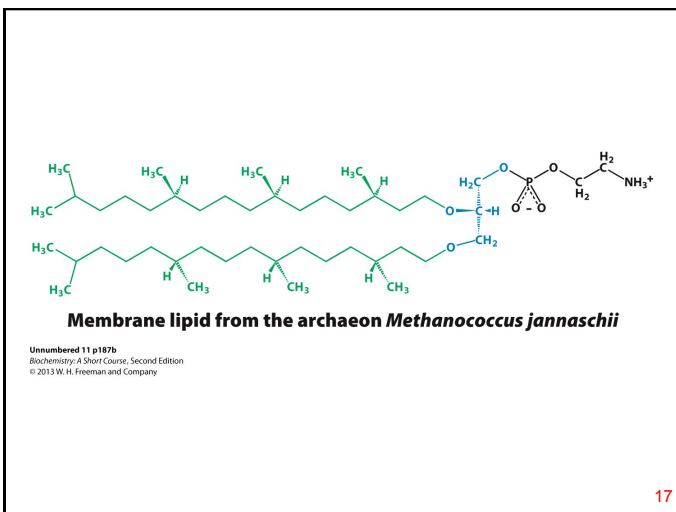
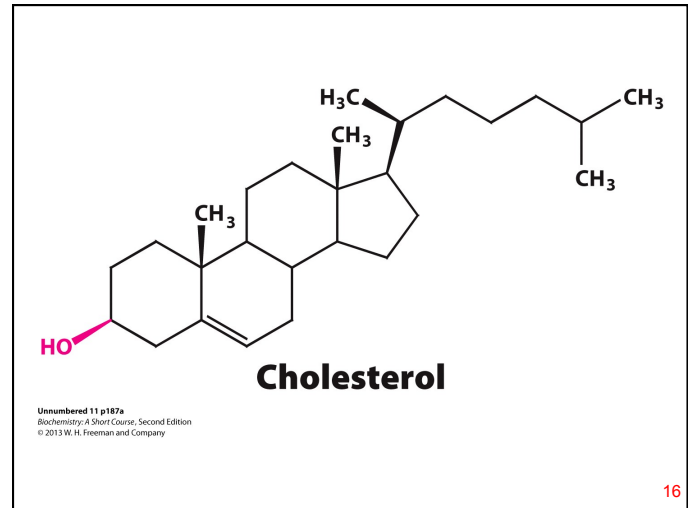
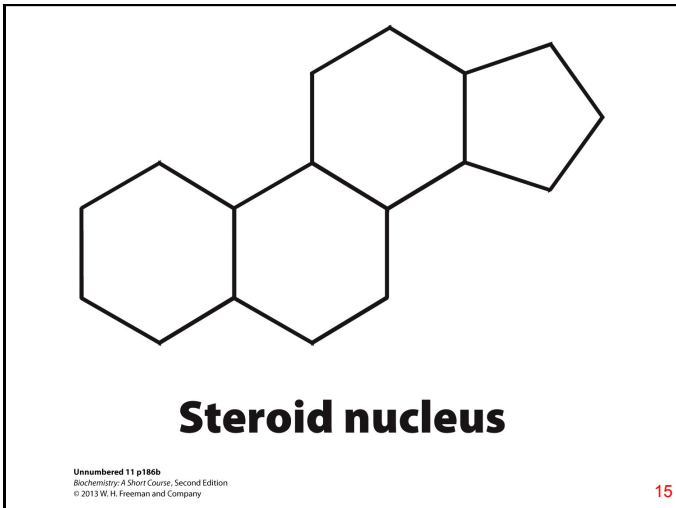
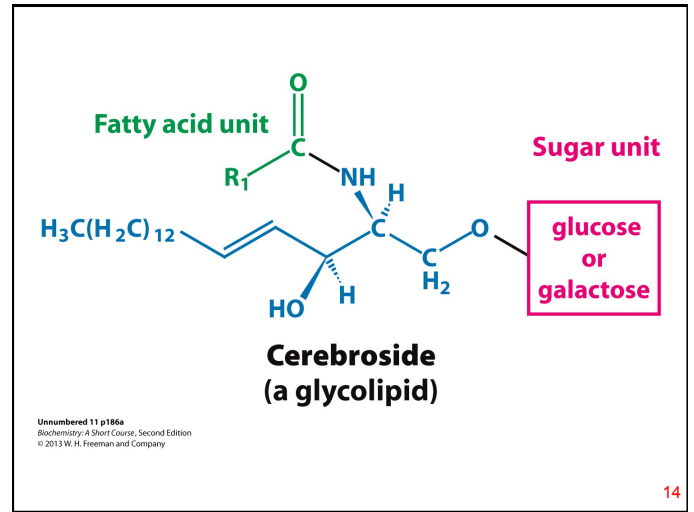
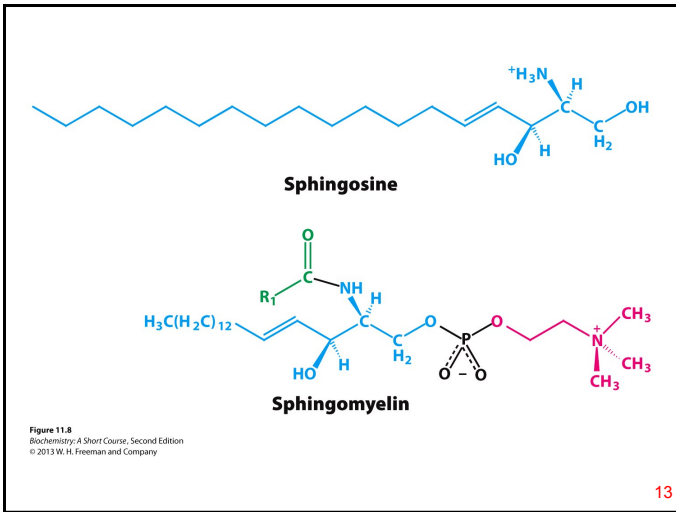
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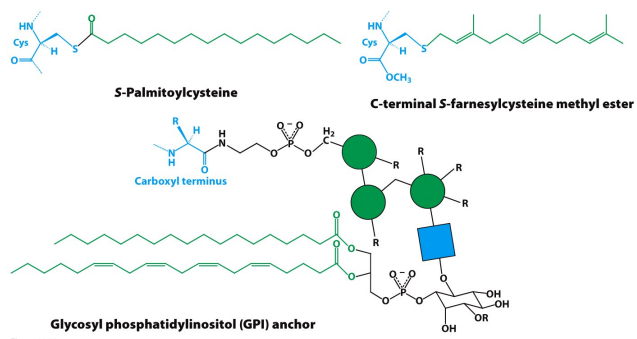


Figure 11.10
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