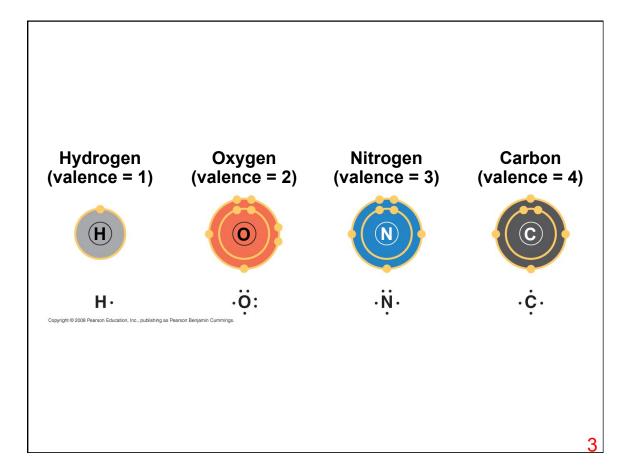
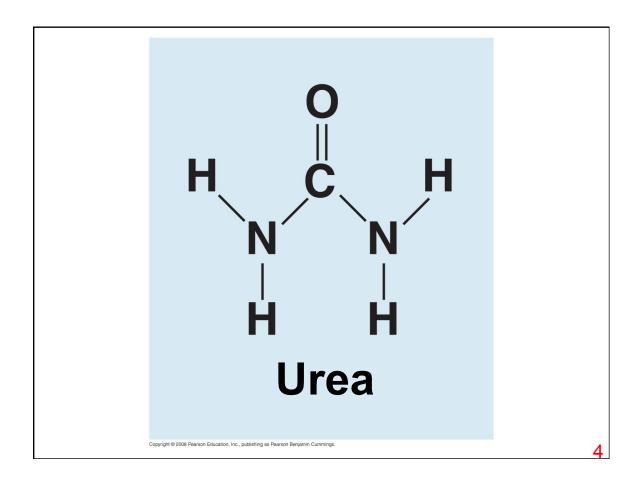
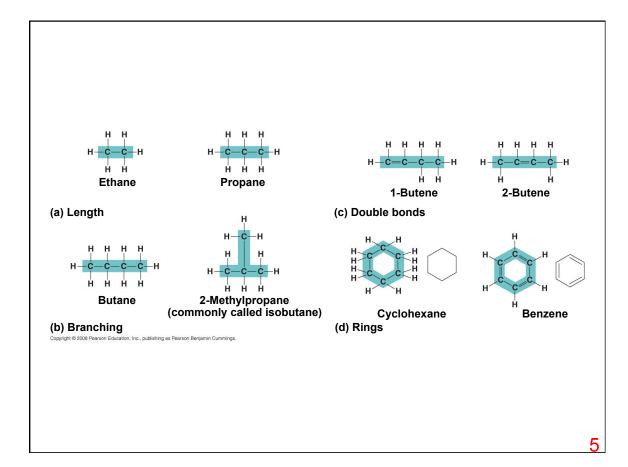
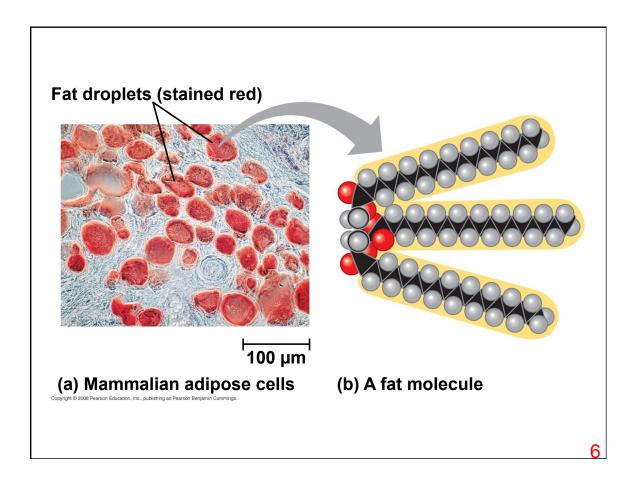


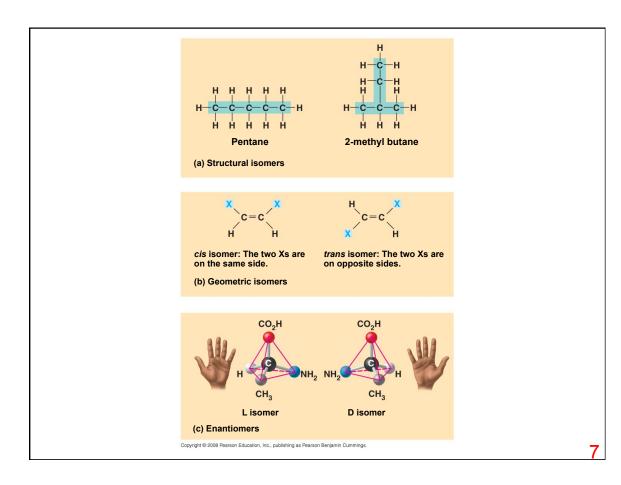
| Name | Molecular Formula | Structural Formula | Ball-and-Stick Model | Space-Filling Model |
|--------------------------|-------------------------------|-----------------------|-------------------------|------------------------|
| (a) Methane | CH₄ | H-C-H | | 6 |
| (b) Ethane | C_2H_6 | H—C—C—H | | |
| (c) Ethene (ethylene) | С ₂ Н ₄ | H C = C H | 22 | 30 |











| Drug | Condition | Effective Enantiomer | Ineffective Enantiomer |
|-----------|-----------------------|-------------------------|---------------------------|
| lbuprofen | Pain; inflammation | S-lbuprofen | R-lbuprofen |
| Albuterol | Asthma | R-Albuterol | S-Albuterol |

