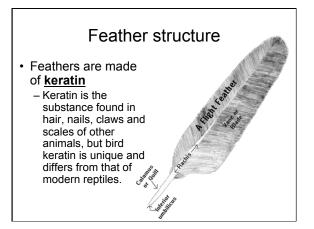
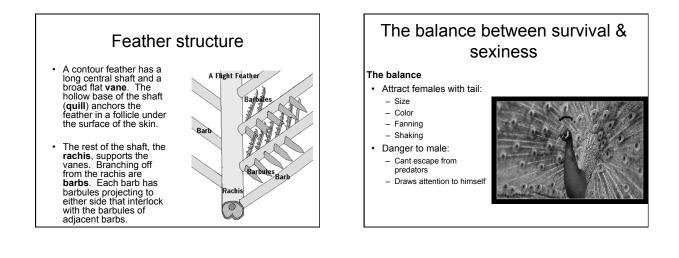
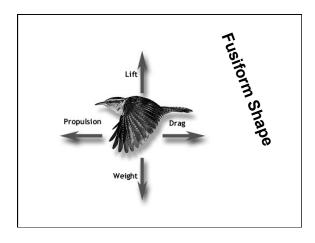


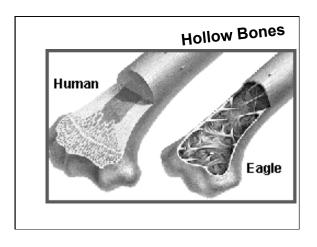
Describe (using a few sentences apiece) four structural adaptations which make flight possible (for most species of bird).

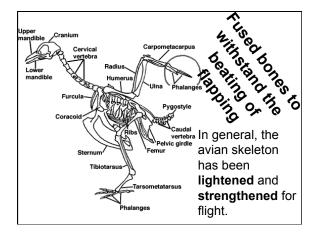
- 1)
- 2)
- 3)
- 4)

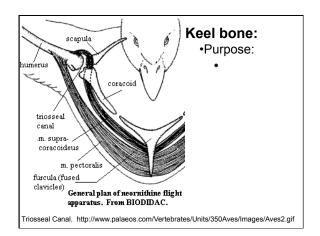


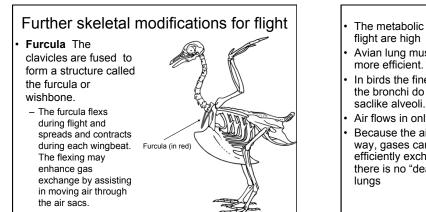






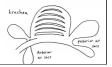








- Avian lungs The one-way flow of air is achieved by using a system of air sacs and a two breath cycle. •
- On inspiration a bolus of air flows down the trachea to air sacs below the lung. On expiration the air mass flows into the lung where gas exchange takes place.
- With a second inspiration the air mass in the lung flows into anterior airsacs and with a second expiration exits the body via the trachea.



Kiwi

- · Flightless bird
- · New Zealand
- · Egg is 20% of the females body weight
- · The equivalent of 130lb woman having a 23lb baby

wn Kiwi hatched at the Smithsonina National Z

