Raptor Anatomy & Physiology

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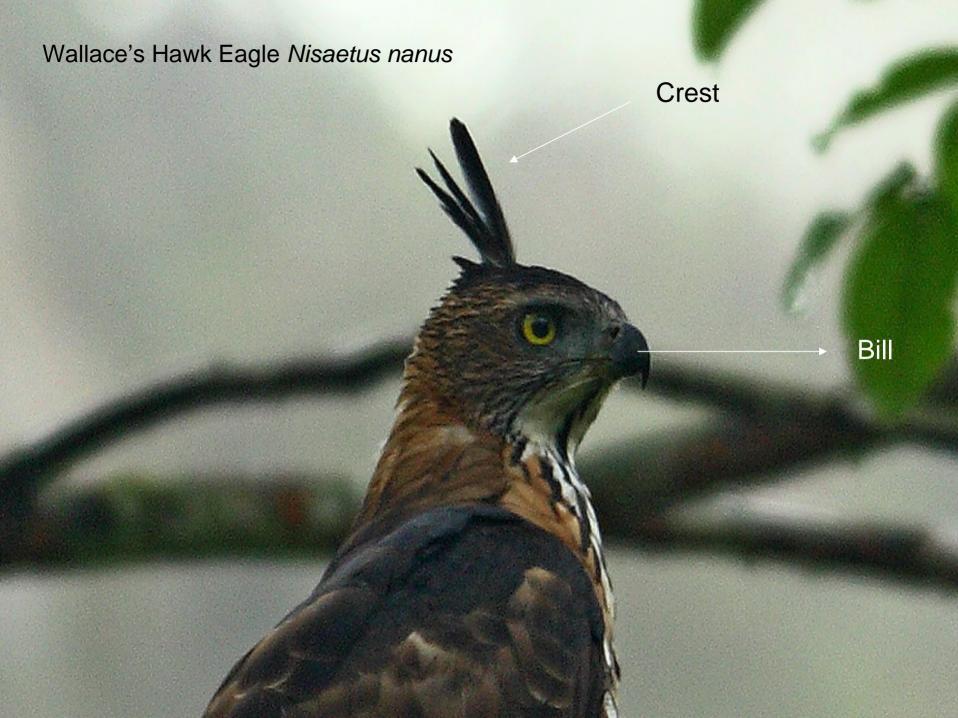
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Raptors as Birds pf Prey

- Raptors feed on other species of prey
- Naturally equipped for hunting and terminating lives
 - Hooked bill
 - Strong and sharp talons
 - Agile in flight



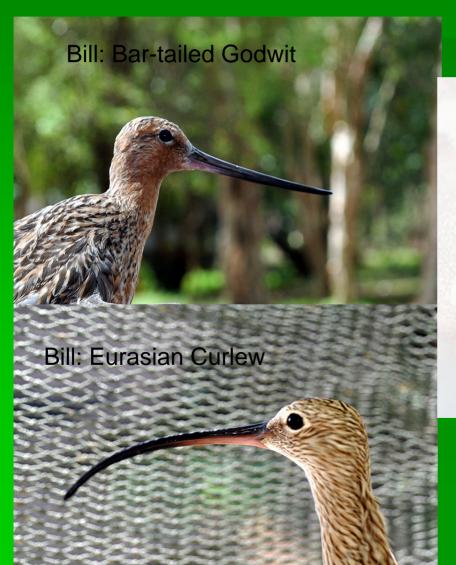
Common Kestrel Falco tinnunculus





Skull of Eastern Marsh Harrier

Non-raptor for Comparison





Feathers

- Flight feathers
 - Primaries
 - Secondaries
 - Tail (aka rectrix)

- Body feathers
 - Head, wing coverts, chest, belly, etc.







Flight Physiology

- To be able to fly and maneuver for hunting, raptors need to decrease body weight by several adaptations
 - Fuse and air-filled bones to reduce weight
 - Multiple air sacs in the body
 - Rapid and effective digestion ability
 - Due to strong acidic condition in stomach



