









## Vertebrates Tetrapods Class Aves (Birds) The power of flight: > Evolution of feathers led to flight

- > But, flight restricts morphological diversity
- > Some requirements of flight:
  - 1. Forelimbs modified into wings
  - Lightweight, yet strong bones
     High metabolic rate
  - 4. Efficient respiration
  - 5. Efficient circulation

















































## Vertebrates

## <u>Tetrapods</u> <u>Class Aves (Birds)</u>

Defining traits and their function:

- Population dynamics

   Unregulated hunting and habitat loss caused extinction of some
  - Today regulated hunting has
  - Today, regulated hunting has contributed to recovery
  - Recent sharp declines in songbird populations due to forest fragmentation and tropical deforestation

