

**Type:** Conical (cone-shaped)  
**Adaptation:** Wide, pointed bill for cracking open nuts and seeds



Bill  
(Example: Northern Cardinal)

**Type:** Large scoop bill  
**Adaptation:** Large pocket-like bill for scooping fish



Bill  
(Example: Brown Pelican)

**Type:** Straw-like, with a long tongue  
**Adaptation:** Thin, pointed bill for reaching into flowers



Bill  
(Example: Ruby-throated hummingbird)

**Type:** Hooked, sharp bill  
**Adaptation:** Sharp, curved bill for ripping and tearing



Bill  
(Example: Osprey)

**Type:** Long bill, sometimes curved  
**Adaptation:** Long and/or pointed for probing into sand, mud, and soil to catch worms, snails, and other prey



Bill  
(Example: Curlew)

**Type:** Chisel bill  
**Adaptation:** strong, triangular, and pointed bill for drilling holes



Bill  
(Example: Red-headed woodpecker)

**Type:** Wide bill; works like a strainer  
**Adaptation:** Rounded bill lined with ridges for straining insects and plants in water



Bill  
(Example: Mallard Duck)

**Type:** Passive, soaring wings  
**Adaptation:** Long, broad wings for soaring high for long periods of time, soaring on heat thermals (vertical columns of hot air)



Wings  
(Example: vultures)

**Type:** Active, soaring wings  
**Adaptation:** Long, narrow wings for soaring for long periods of time



Wings  
(Example: albatrosses)

**Type:** Elliptical wings  
**Adaptation:** For short bursts of speed, quick takeoff, tight, acrobatic movements in flight



Wings  
(Example: sparrows)

**Type:** Hovering wings  
**Adaptation:** Small wings with specialized nerves and muscles for quick, sustained movements



Wings  
(Example: Ruby-throated hummingbird)

**Type:** High-speed wings  
**Adaptation:** Long and thin, shorter than active, soaring wings. Can maintain speed.



Wings  
(Example: Chimney Swifts)



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**Type:** Paddle-like with webbed toes  
**Adaptation:** For swimming, paddling, walking and diving through water



Feet/Toes  
(Example: cormorants)

**Type:** Tall legs, toes long and spread  
**Adaptation:** For walking in soft, wet habitats like lakes and marshes



Feet/Toes  
(Example: Great Blue Heron)

**Type:** Zygodactyl (two toes in front, two in back)  
**Adaptation:** Strong grip for climbing up, down, and around tree trunks



Feet/Toes  
(Example: Eastern Screech Owl)

**Type:** Sharp talons, strong grip  
**Adaptation:** For capturing, carrying, and holding prey



Feet/Toes  
(Example: Red-Shouldered Hawk)

**Type:** Long, independent, flexible toes  
**Adaptation:** Interlocking muscles that help toes grasp and perch on branches



Feet/Toes  
(Example: Carolina Wren)

**Type:** Sharp claws, thick toe pads  
**Adaptation:** Thick feet and toe pads for scratching, running, and kicking



Feet/Toes  
(Example: Chickens)

**Type:** Wide bill, works like a strainer  
**Adaptation:** Rounded bill lined with ridges for straining insects and plants in water



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(Example: Mallard Duck)

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(Example: Chimney Swifts)



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