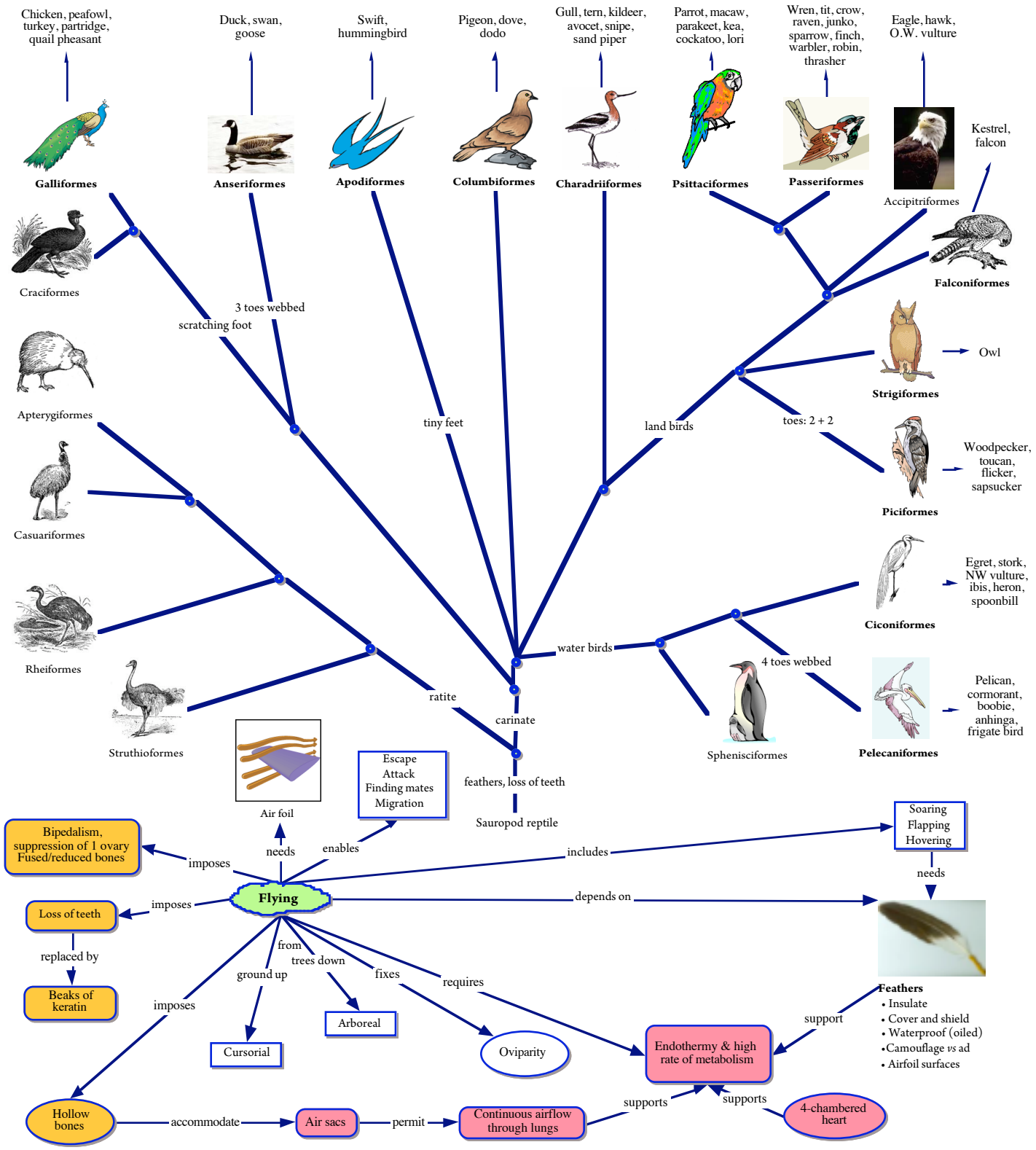
Chicken, peafowl, turkey, partridge, quail pheasant
Duck, swan, goose
Swift, hummingbird
Pigeon, dove, dodo
Gull, tern, kildeer, avocet, snipe, sand piper
Parrot, macaw, parakeet, kea, cockatoo, lori
Wren, tit, crow, raven, junko, sparrow, finch, warbler, robin, thrasher
Eagle, hawk, O.W. vulture
Kestrel, falcon
Galliformes
Anseriformes
Apodiformes
Columbiformes
Charadriiformes
Psittaciformes
Passeriformes
Accipitriformes
Falconiformes
Craciformes
3 toes webbed
scratching foot
Apterygiformes
Owl
Strigiformes
tiny feet
land birds
toes: 2 + 2
Woodpecker, toucan, flicker, sapsucker
Piciformes
Casuariformes
Egret, stork, NW vulture, ibis, heron, spoonbill
Ciconiformes
Rheiformes
water birds
4 toes webbed
Pelican, cormorant, boobie, anhinga, frigate bird
ratite
carinate
Struthioformes
Sphenisciformes
Pelecaniformes
Air foil
Escape
Attack
Finding mates
Migration
feathers, loss of teeth
Sauropod reptile
Bipedalism, suppression of 1 ovary Fused/reduced bones
imposes
needs
enables
includes
Soaring
Flapping
Hovering
needs
Flying
depends on
Loss of teeth
imposes
replaced by
Beaks of keratin
from
trees down
ground up
fixes
requires
imposes
Cursorial
Arboreal
Oviparity
Endothermy & high rate of metabolism
support
Feathers
• Insulate
• Cover and shield
• Waterproof (oiled)
•Camouflage vs ad
• Airfoil surfaces
Hollow bones
accommodate
Air sacs
permit
Continuous airflow through lungs
supports
supports
4-chambered heart