

CHAPTER 6

Requirements:

- Name and order
- (e.g name= kiwi order= Apterygiforms)

Palaeognaths' orders:

Order 1. Struthioniformes



African ostrich *Struthio sp.*

Order 2. Rheiformes



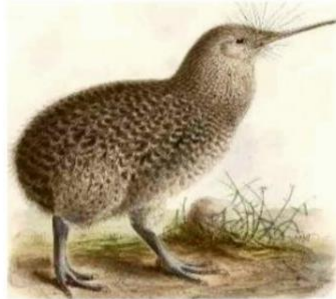
Rhea American ostrich *Rhea americana*

Order 3. Casuariformes



Australian Cassowary *Casuaris sp.* Australian Emu *Dromiceus sp.*

Order 4. Apterygiformes



Kiwi *Apteryx sp.*

Order 5. Tinamiformes



Tinamou *Tinamus sp.*

Order 1. Struthioniformes
African ostrich *Struthio sp.*

Order 2. Rheiformes
Rhea American ostrich *Rhea americana*

Order 3. Casuariformes
Australian Cassowary *Casuaris sp.*
Australian Emu *Dromiceus sp.*

Order 4. Apterygiformes
Kiwi *Apteryx sp.*

Order 5. Tinamiformes

Tinamou Tinamus sp

Birds note

Feathers unic characteristics

Fly

Wings

Fly adaptation.....

1. Spindle shape

2. Thin and loose skin

3. Modification of four To form wings

4. Presence of feathers to increase surface area

5. A: Endoskeleton: light Holo rigid bone

6. B: Fusion: Endoskeleton shows tendency of diffusion like ... Sun sign result by fusion anterior thoracic lamina and Pygostyle results...

7. Sternal large with keel for attachment fly muscle (without keel can't fly)

8- Lack many organs like teeth

- Bird has two stomach
- No urinary bladder
- Large intestine (very short)
- Female (Right ovary and oviduct is reduced for fly adaptation)

How Endoskeleton of bird

1. Fusion of bone to provide

2. Bone is present more compact

3. Pneumatic bone (spongy bone)

(plz just recognize my note not fully texted)

Good luck my friend 🍀

Prepared by Firas