



Animal kingdom

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Animals (जन्तु)

Invertebrates
(अकशेरुकीय प्राणी)

↓
Notochord x
नोटोकार्ड x
↓
रीढ़ / spine x

Vertebrates (कशेरुकीय प्राणी)

रीढ़
Spine } → Notochord
नोटोकार्ड

Vertebrates (करीबकी म जगती)

Mammals (सस्तनधारी)



Aves / Birds (पक्षी)



Reptiles (सरीसृप)



Amphibians (उभयचर)



Fishes (मछली)

Pisese

Types प्रकार

- ① Cyclostoma (साइक्लोस्टोमा) → ★ Jawless fish (जबड़ा रहित मछली).
- ② chondrichthyes (काण्ड्रीकाइड्स) → Cartilage fish (उपास्थि मछली).
- ③ Osteichthyes (ओस्टियोकाइड्स) → Bony fish (अस्थि मछली).

1. Class : Pisces / Fish



- Subclass – Cyclostomata
- Cyclostomes have a sucking and circular mouth without jaws.
- Examples: Petromyzon (Lamprey) and Myxine (Hagfish).

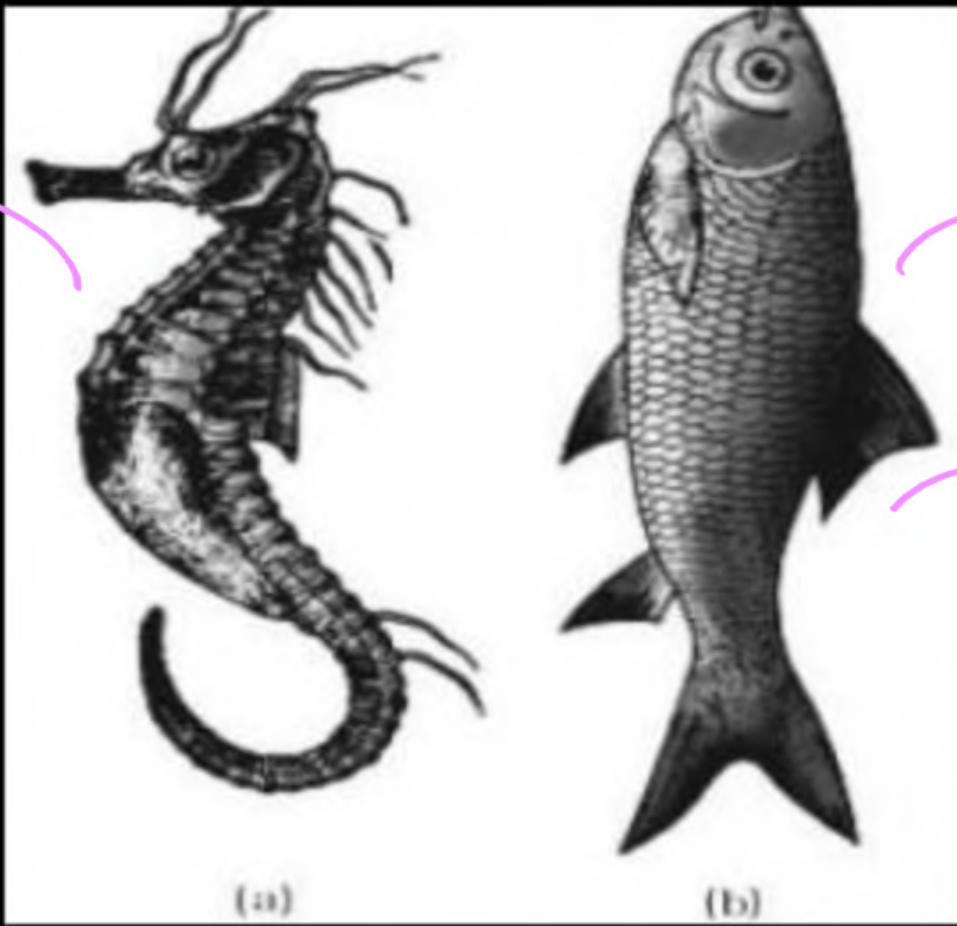


Subclass – Chondrichthyes

Examples: Scoliodon (Dog fish),
Pristis (Saw fish), Carcharodon
(Great white shark), Trygon (Sting
ray).

Subclass – Osteichthyes

Examples of Bony fishes : (a) Hippocampus – sea horse (b) Catla (c) Rohu



→ Catla
(कतला)

→ Rohu
(रोहू)

Class – Amphibia

Examples: Bufo (Toad), Rana (Frog), Hyla (Tree frog), Salamandra (Salamander), Ichthyophis (Limbless amphibia)





Class – Reptilia

Examples: Chelone (Turtle), Testudo (Tortoise), Chameleon (Tree lizard), Calotes (Garden lizard), Crocodilus (Crocodile), Alligator (Alligator), Hemidactylus (Wall lizard), Poisonous snakes – Naja (Cobra), Bangarus (Krait), Vipera (Viper).

Class – Aves

Flightless birds



शुतरमुर्ग
Ostrich



कीवी
Kiwi



पेन्ग्वीन
Penguin



Rhea रैटा



क्रॉसवारी
Cassowary



मोआ
Moa





Class – Mammalia

The most unique mammalian characteristic is the presence of milk producing glands (mammary glands) by which the young ones are nourished.

Types of Mammals :

1. **Monotremes (Prototheria)** are mammals that lay eggs.

Examples : Platypus and Echidna



Echidna
(इकीडना)
(साही)

Platypus
(प्लैटीपस)

1. Monotremes ⇒ Prototheria
↓
egg (अंडे)



⇓
कोला

⇓
कंगारु

2. **Marsupials (Metatheria)** are mammals that carry their young in a pouch.

Examples: Koalas and Kangaroos.

② मार्सूपियल (मेटाथेरिया)

दोटे ⇓
→ पैली



Whale
व्हाल

3. **Placental mammals (Eutheria)** are characterized by the presence of the placenta, which facilitates exchange of nutrients and wastes between the blood of the mother and the fetus.

③ प्लेसेन्टल (यूथेरिया)
 ⇨ गर्भनाल Placenta