

MAMMALS

→ Mammary Gland → Female → Nourish → Baby

→ Highest → animal- kingdom

EVOLUTION

• Mammals evolved → Reptilian ancestors → **Cotylosaurs**

• Mammals and reptiles → Ancestors → **Jurassic period**

• Early reptiles → **Varanope** → Texas (50% characters)

• Mammals Dominant → **Cenozoic period**

→ Humans are living in the
age of mammals

GENERAL CHARACTERS

• Mammary glands (female)

• Body covers → **Hairs**

• Muscular **Diaphragm** → Separate Thoracic
→ Cavities
Abdominal

• External ear Pinna Present

• Inner ear Small-bones Present

→ **Incus**
→ **Mallus**
→ **stapes**

• Well- developed- Senses

→ **Smell**
→ **Tast**
→ **Touch**
→ **Hearing**
→ **sight/vision**

• skin → **Glands + hairs**
→ **Sweat, Sebaceous glands**

• CNS → well- developed

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- CNS → well-developed
 - Brain → Large cerebrum
 - 12-Cranial-pairs of Nerves
- Respiration → lungs → spongy
- Sound-box | Voice-box → Vocal-cord
- Heart → 4-chamber
 - 2-atrium
 - 2-ventricle
- closed-double-circulation
- Left aortic arch → Present
- Blood → Red → Pigment → Haemoglobin
 - RBCs- a-nucleated
- paired-kidneys → Removal of waste → Urine
- Warm-Blooded
- Separate Sexes
- Fertilization → Internal
- viviparous → Live-Birth
- oviparous → Egg with birth

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- Extra embryonic-layers → Amniots
 - Amnion
 - Chorion
 - Allantois
 - Yolk Sac

EXAMPLES



Seal ✓



Dog ✓



Deer ✓



Seal ✓



Dog ✓



Deer ✓



Squirrel ✓



Bat ✓



Mouse ✓

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