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BIOLOGIE

Mohamed Anouar KHELIL

ATLAS D'ANATOMIE

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Mohamed Anouar KHELIL

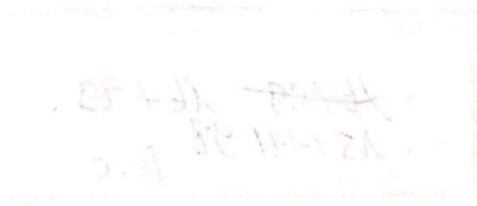
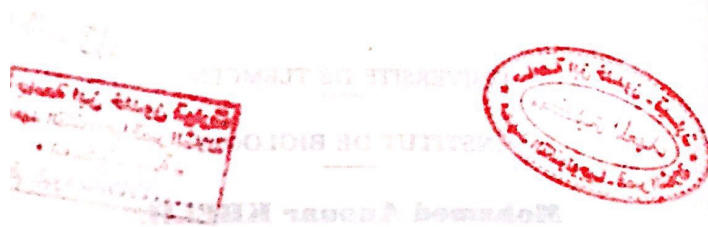
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ATLAS D'ANATOMIE



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Préface

Cet atlas a été élaboré afin d'aider les étudiants de graduation des études de biologie des organismes et des populations. Le but principal de cet ouvrage est de compenser l'absence presque totale d'ouvrages illustrés dans cette matière. Il vise la simplicité et la cohérence en proposant des dessins schématisant les structures anatomiques des principaux embranchements tels que les invertébrés, les vertébrés, et l'être humain. Le rôle de ce document est de faciliter la compréhension des cours magistraux, mais surtout de mieux suivre les travaux dirigés et pratiques, et de mieux retenir les éléments observés.

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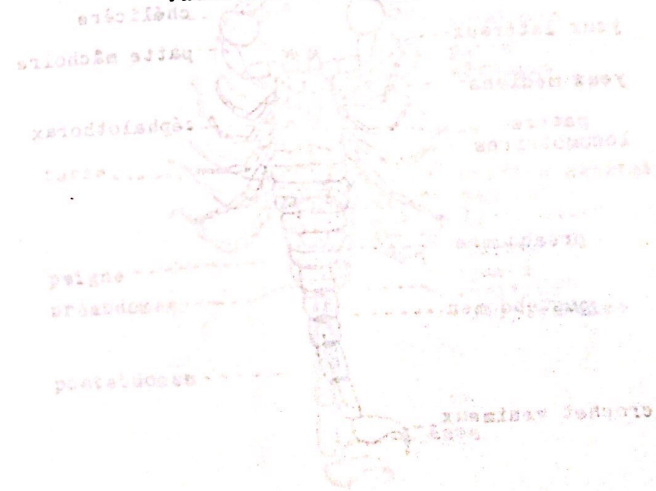
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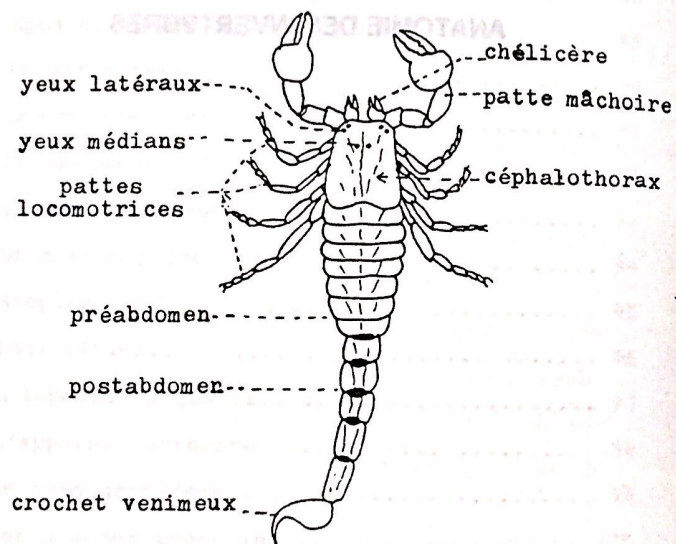
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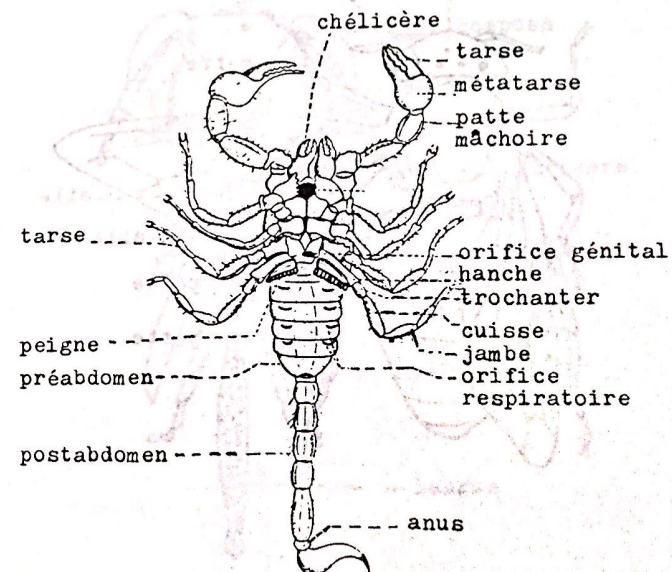
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ANATOMIE DES INVERTEBRES

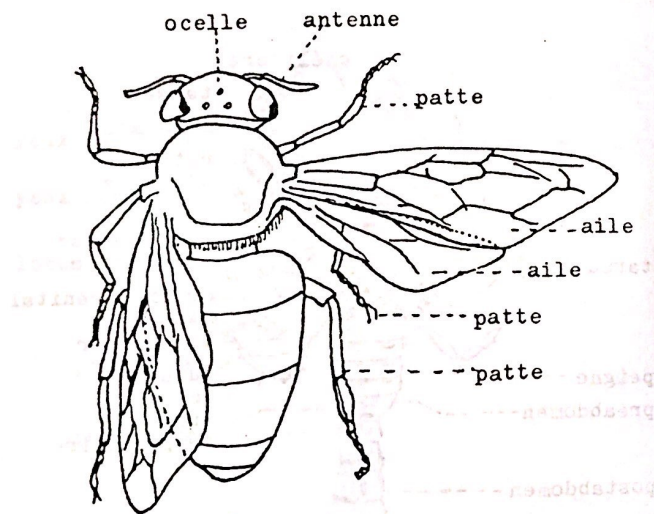




Le Scorpion, face dorsale

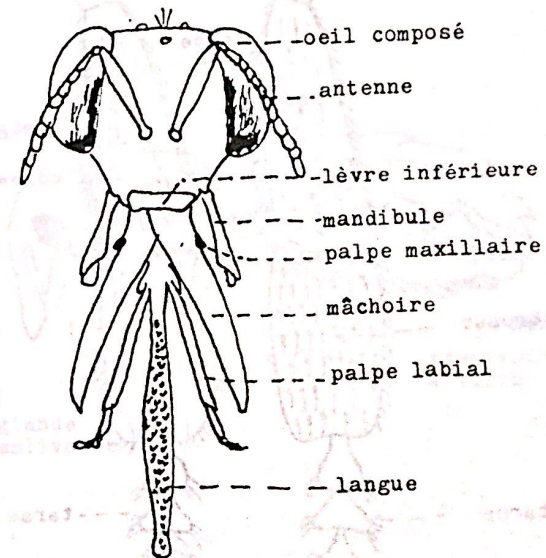


Le Scorpion, face ventrale



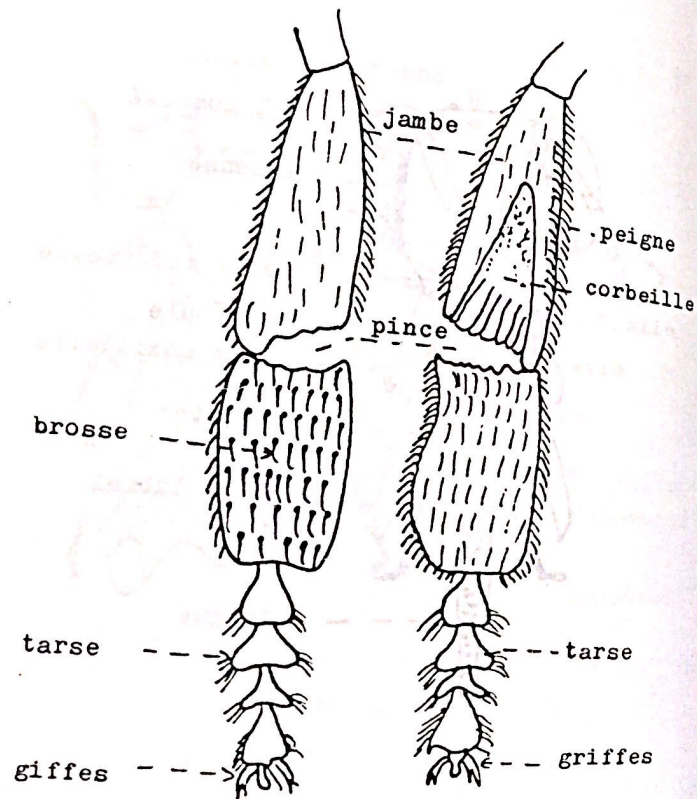
L'Abeille, organisation externe

- 4 -

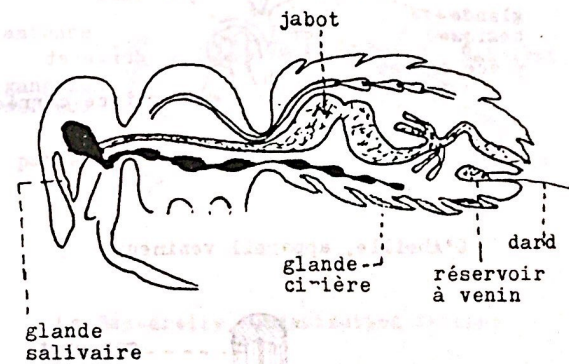


L'Abeille, tête et pièces buccales

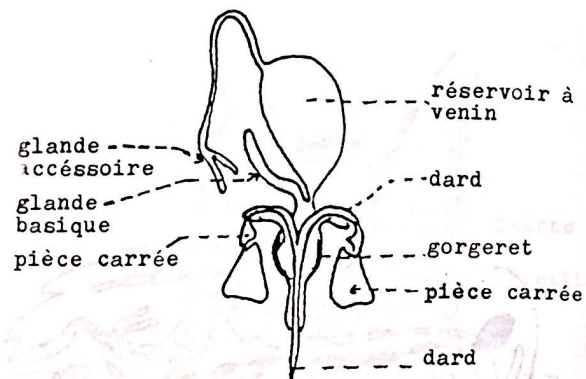
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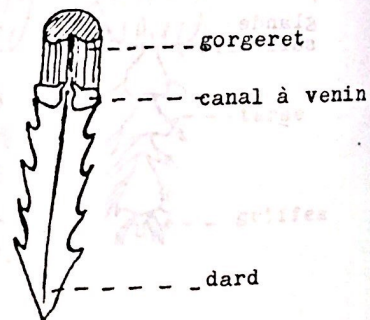
L'Abeille, extrémité postérieure d'une patte



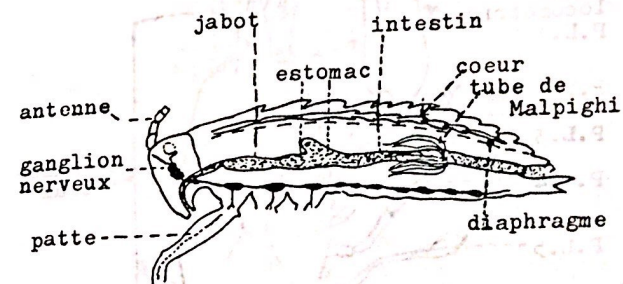
L'Abeille, organisation interne



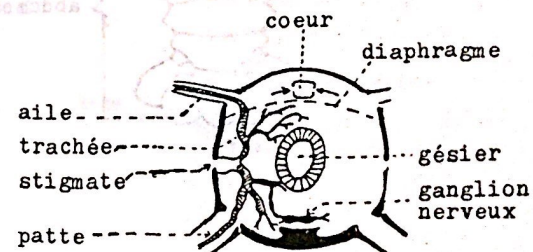
L'Abeille, appareil venimeux



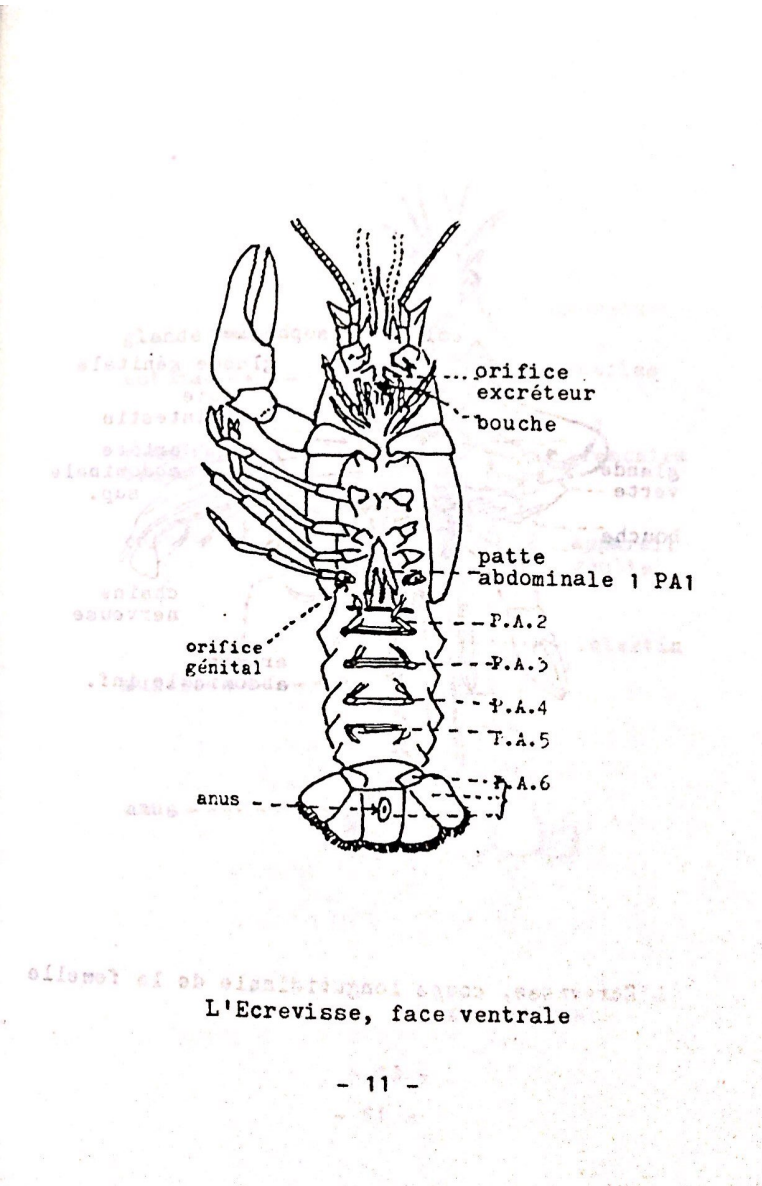
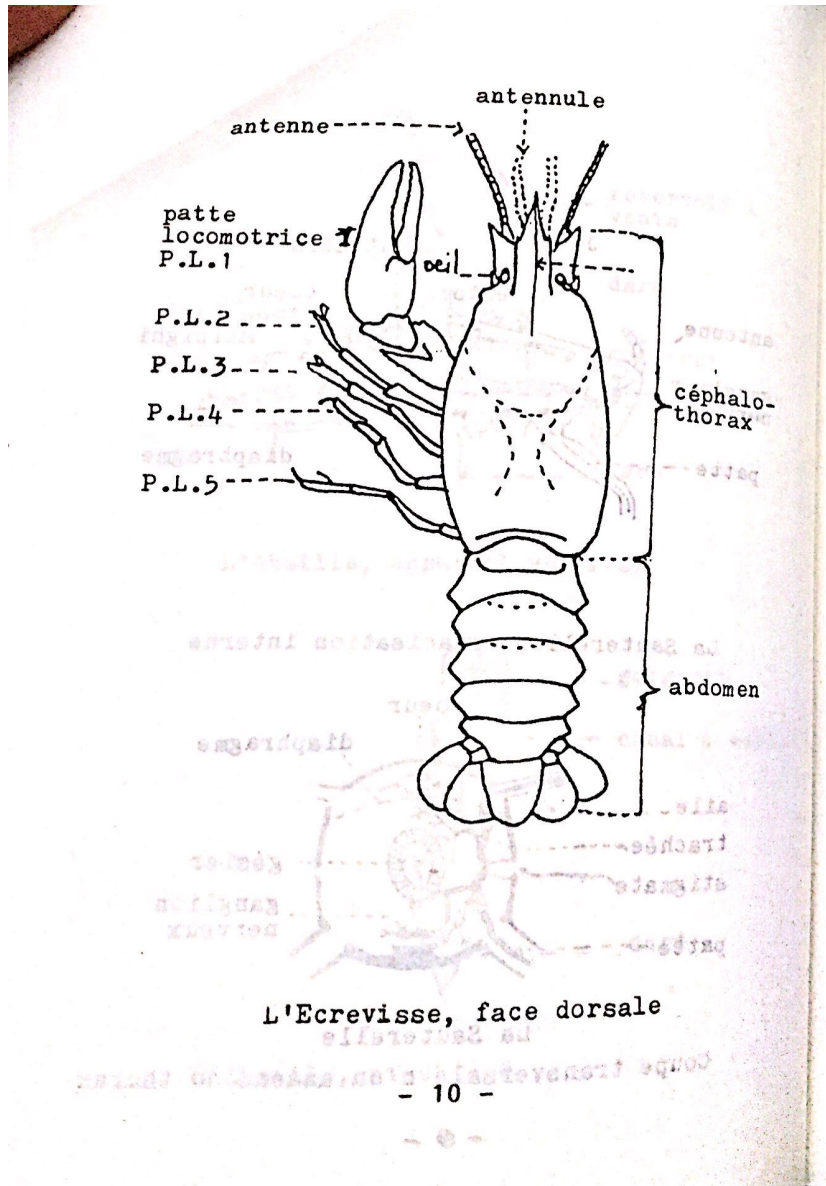
L'Abeille, aiguillon

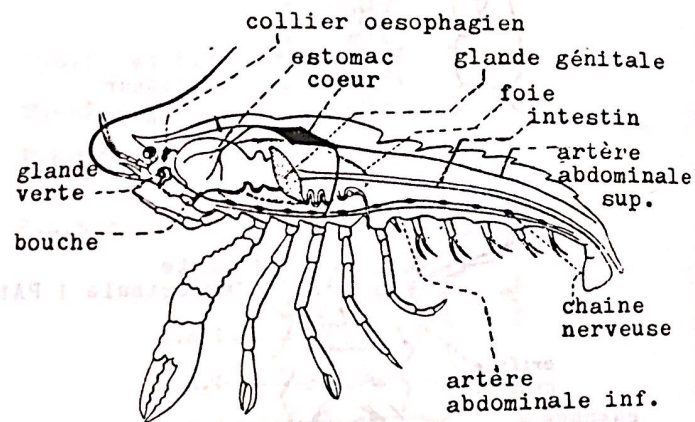


La Sauterelle, organisation interne

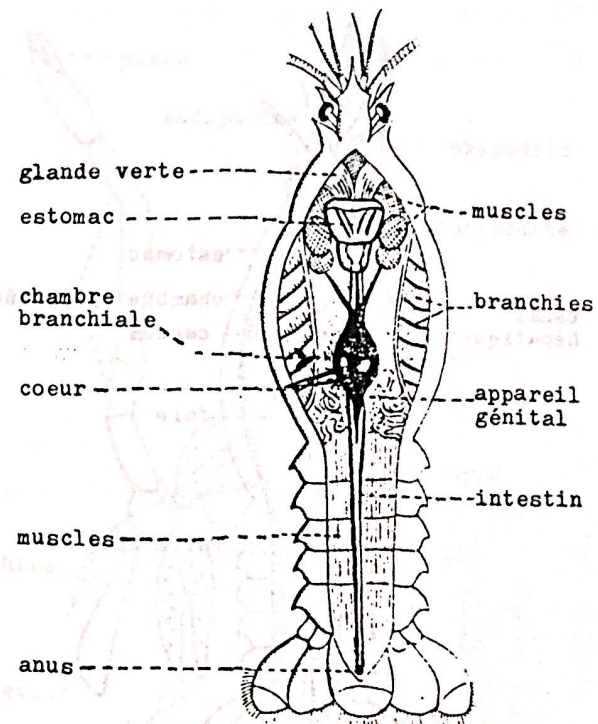


La Sauterelle
Coupe transversale d'un anneau du thorax

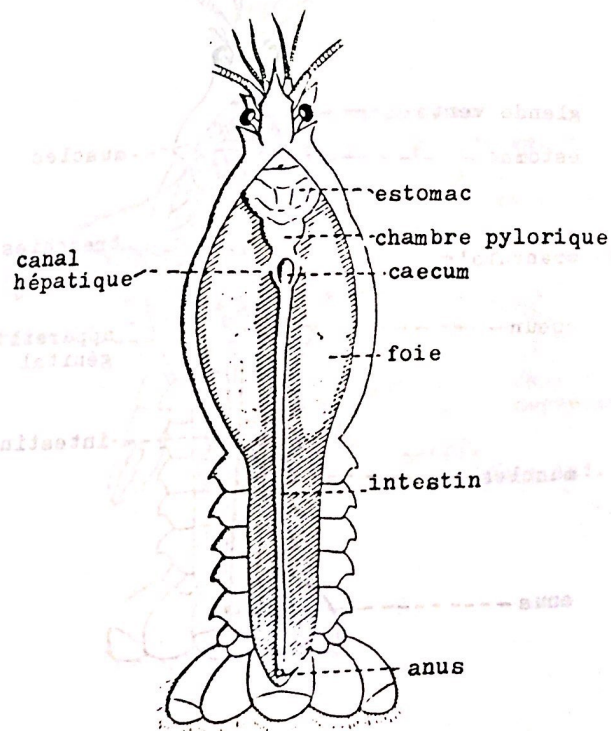




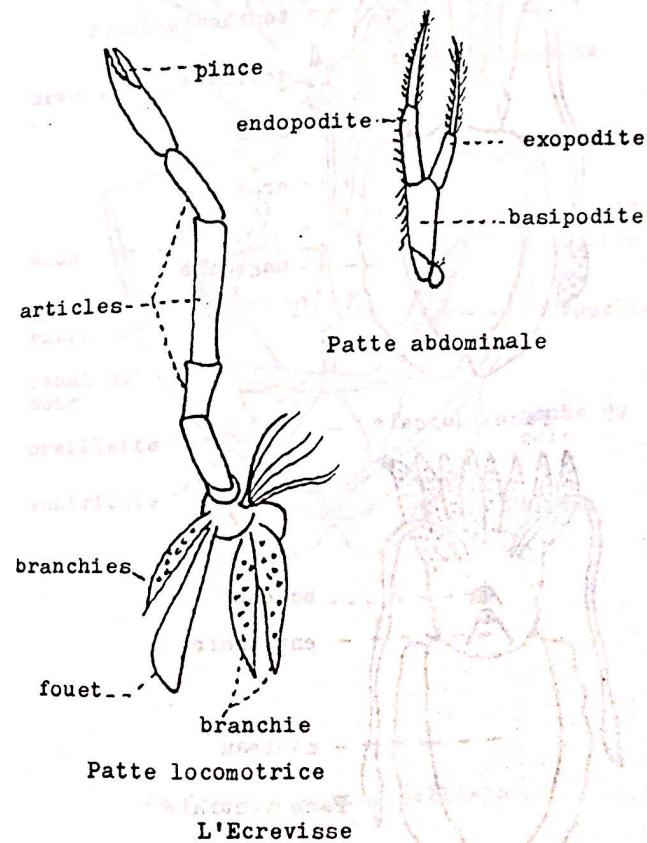
L'Ecrevisse, coupe longitudinale de la femelle



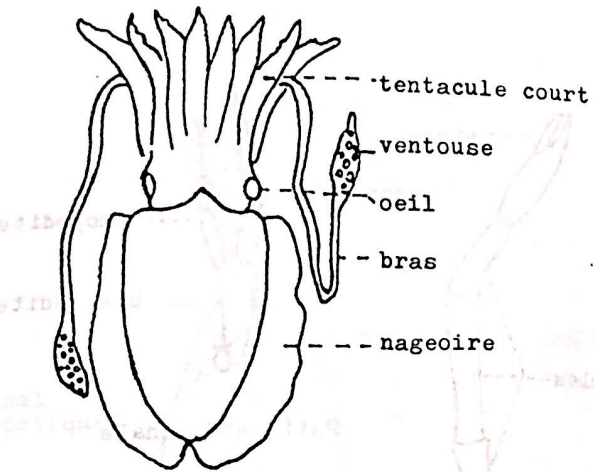
L'Ecrevisse, organes en place



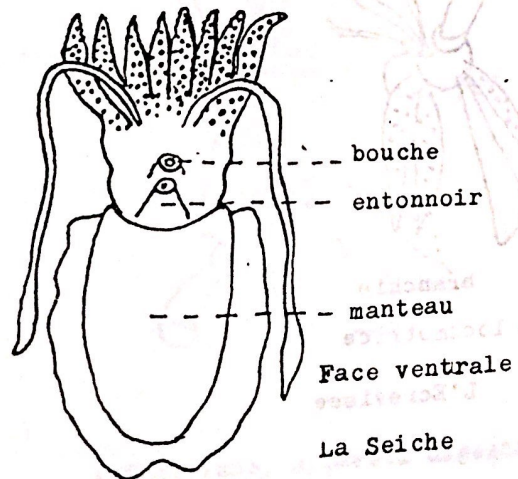
L'Ecrevisse, appareil digestif



L'Ecrevisse

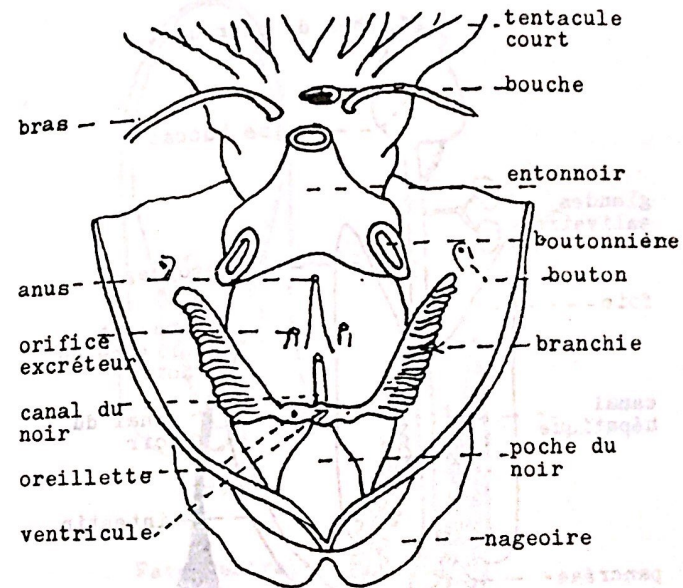


Face dorsale

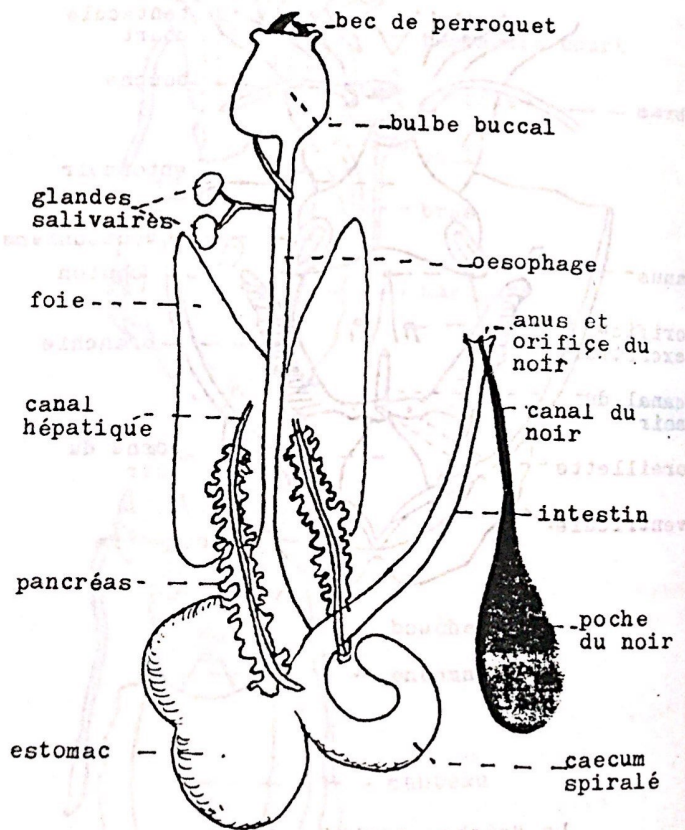


Face ventrale

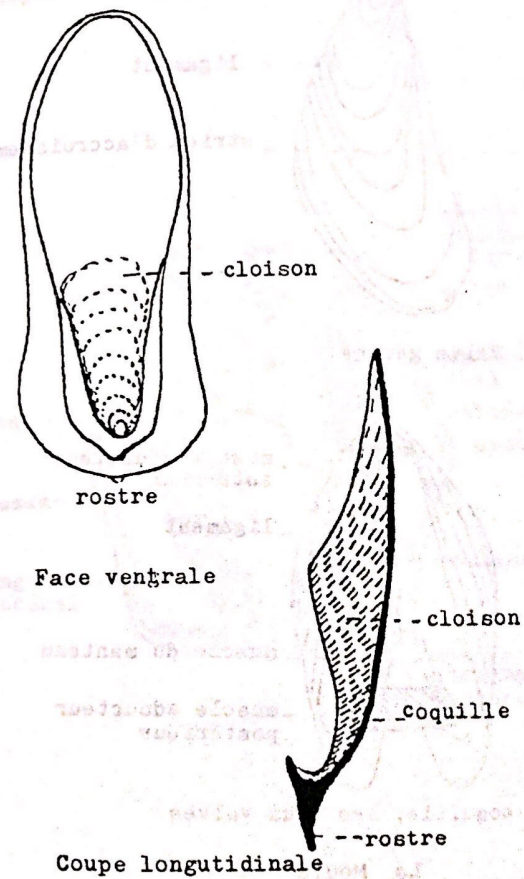
La Seiche



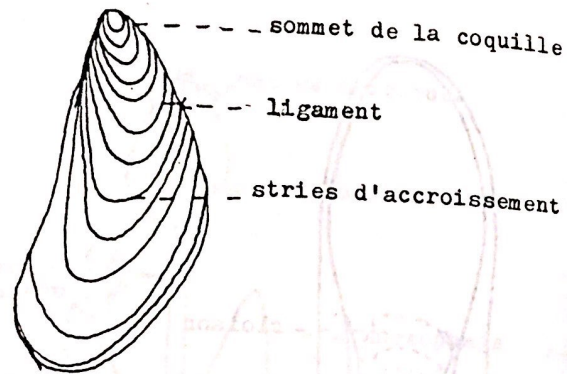
La Seiche, cavité palléale



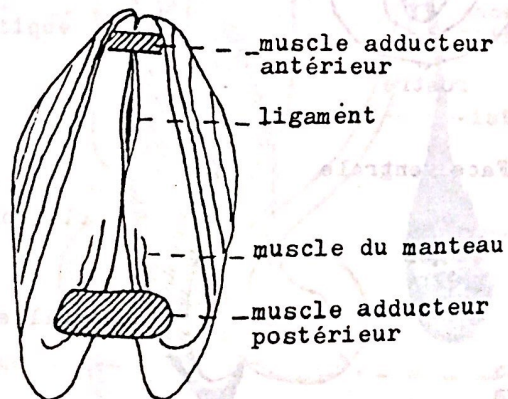
La Seiche, appareil digestif et poche du noir



La Seiche, os de seiche

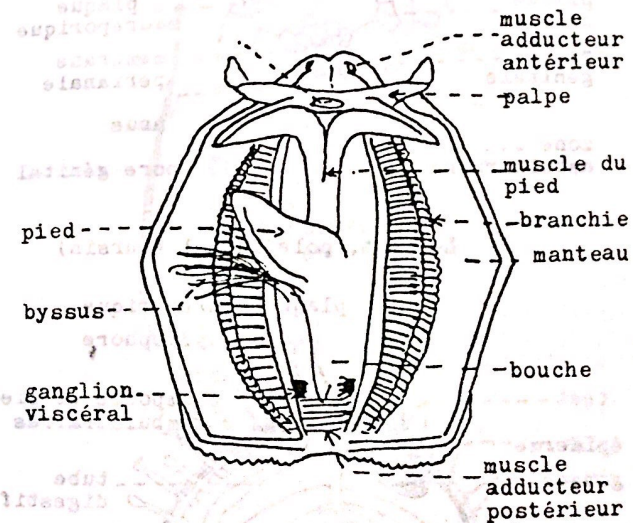


Valve gauche

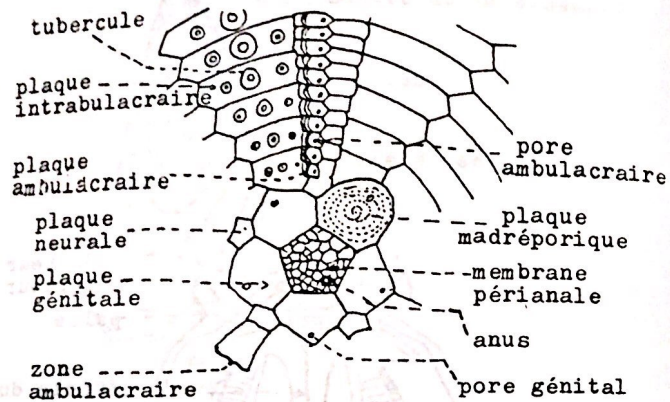


La coquille, les deux valves

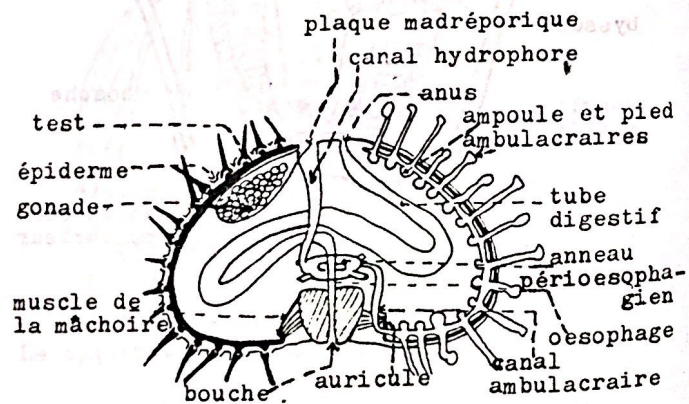
La Moule



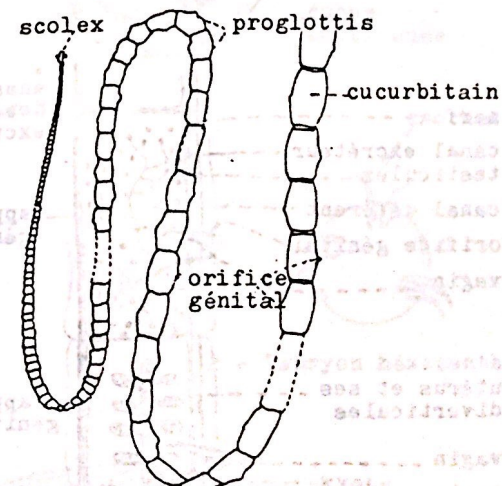
La Moule étalée



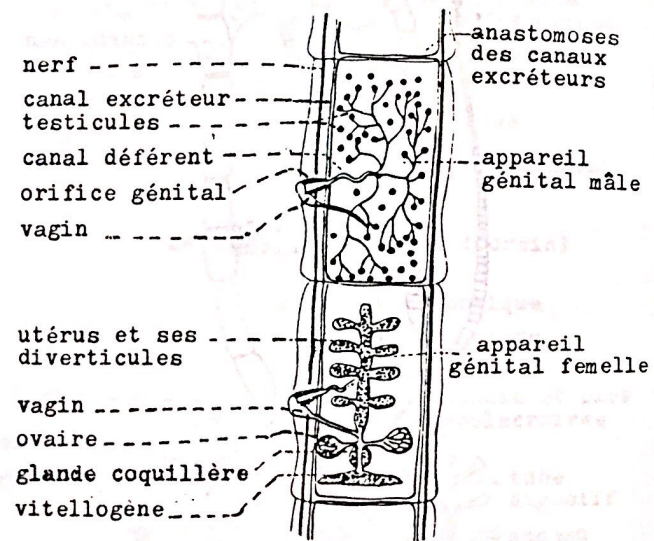
Le test, pole buccal (Oursin)



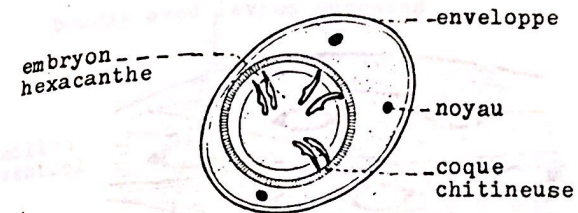
L'Oursin, organisation interne



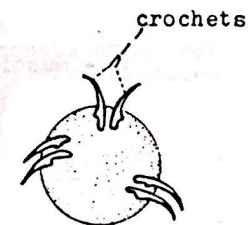
Le Ténia



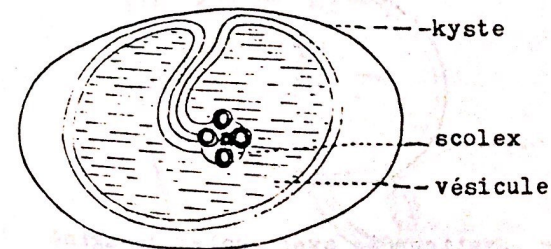
Le Ténia, organisation des anneaux



1- Oeuf de Ténia



2 - Embryon hexacanthé

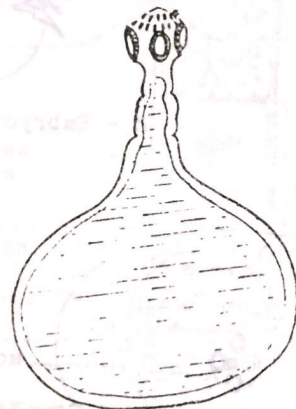


3 - Cysticerque

Développement du Ténia armé

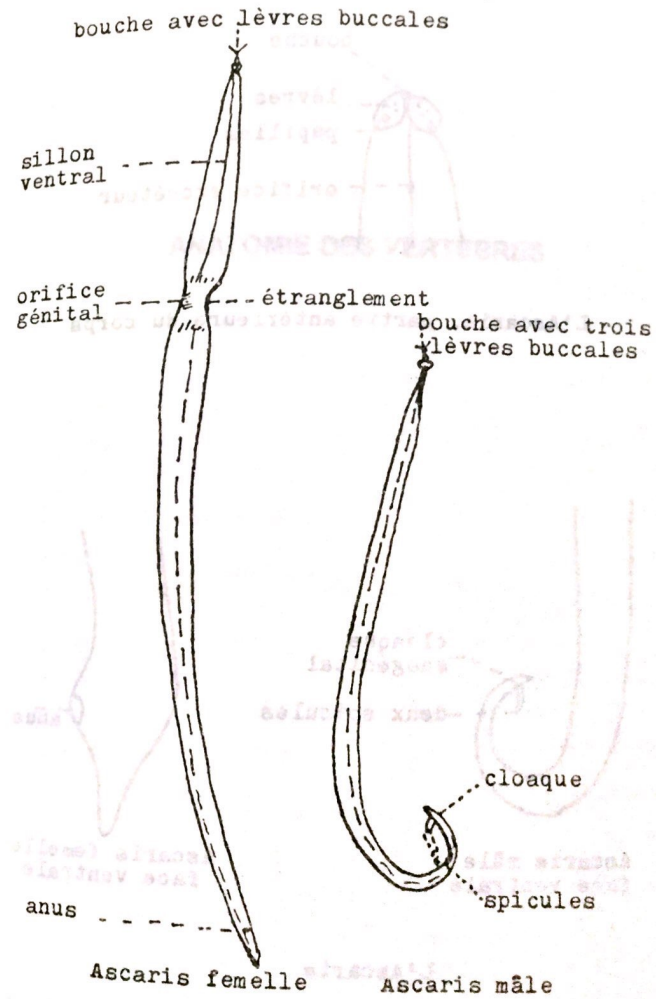


4 - Muscle avec cysticerque



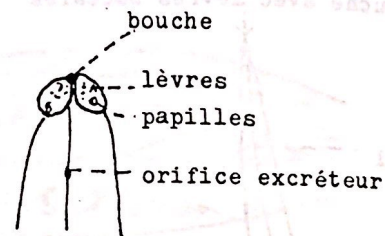
5 - Cysticerque avec scolex dévaginé

Développement du Ténia armé

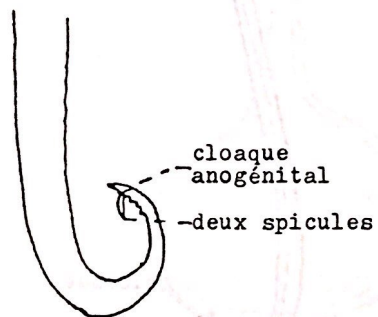


Ascaris femelle

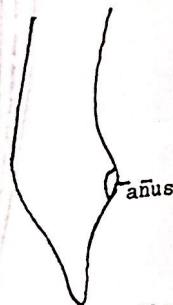
Ascaris mâle



L'Ascaris, partie antérieure du corps



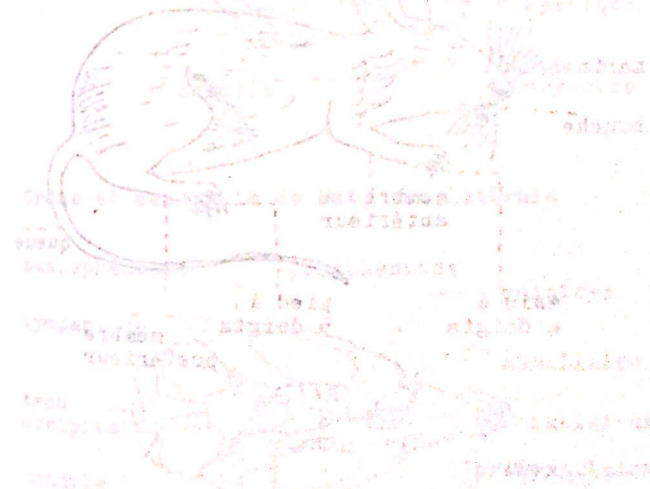
Ascaris mâle
face ventrale

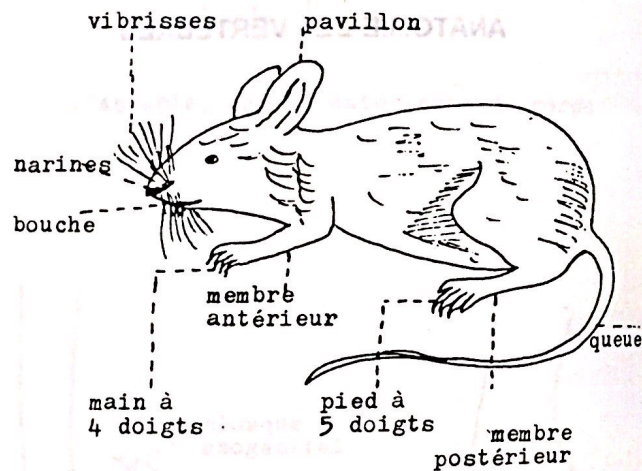


Ascaris femelle
face ventrale

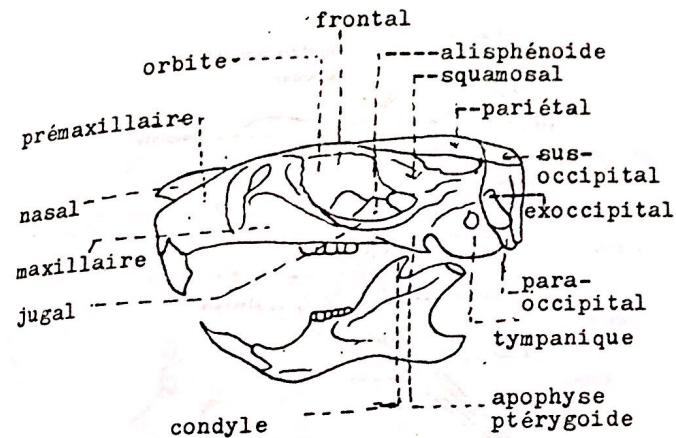
L'Ascaris

ANATOMIE DES VERTEBRES

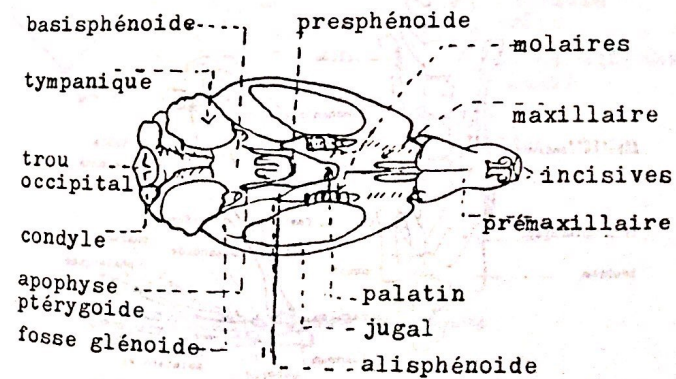




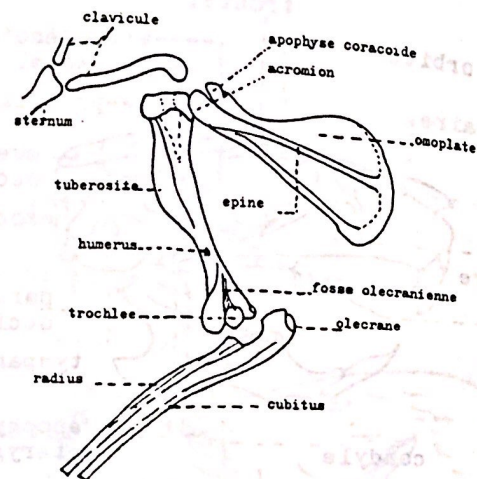
La Souris



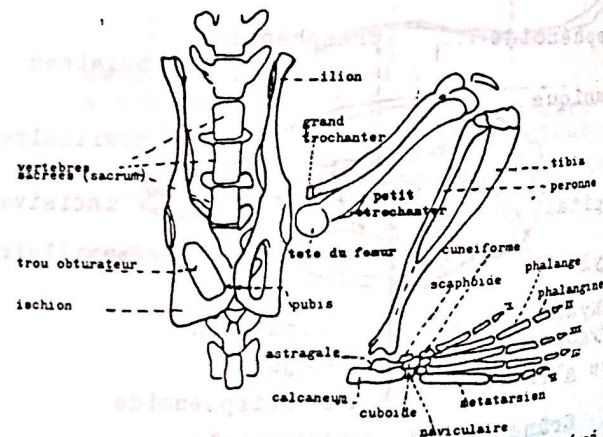
Crâne et mandibule de Rat, vue latérale



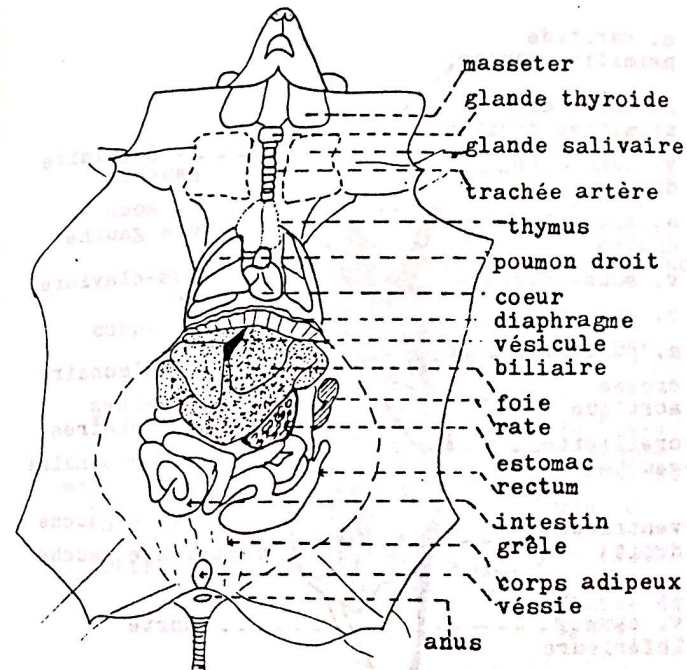
Crâne de Rat, vue ventrale



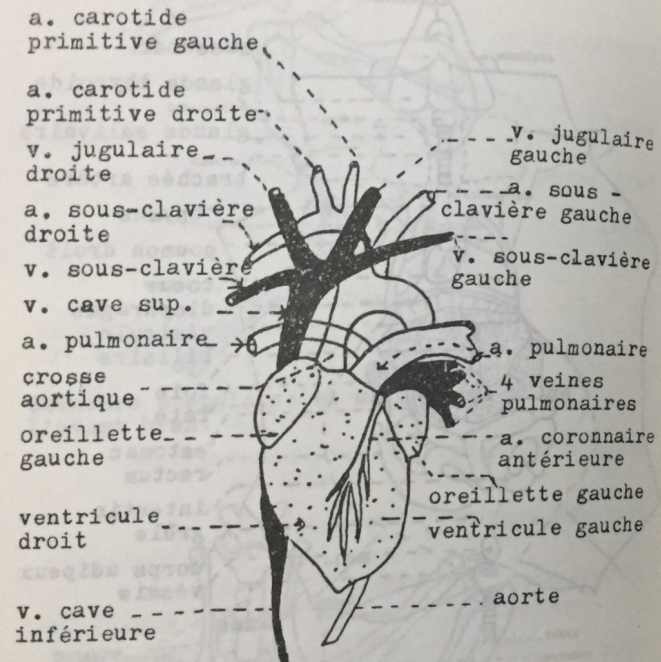
Ceinture scapulaire et os du bras et de l'avant bras.



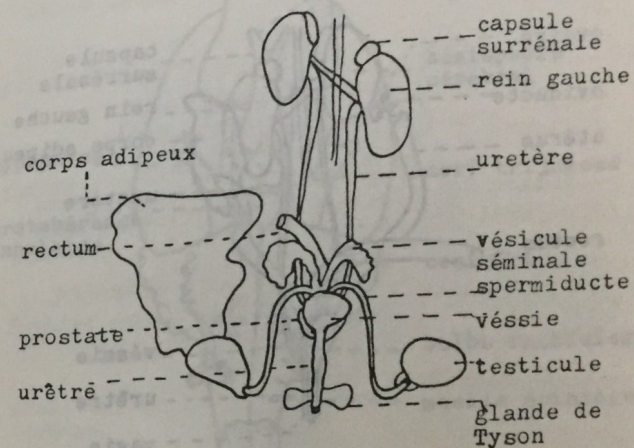
Vue dorsale du bassin et du membre postérieur chez la Souris



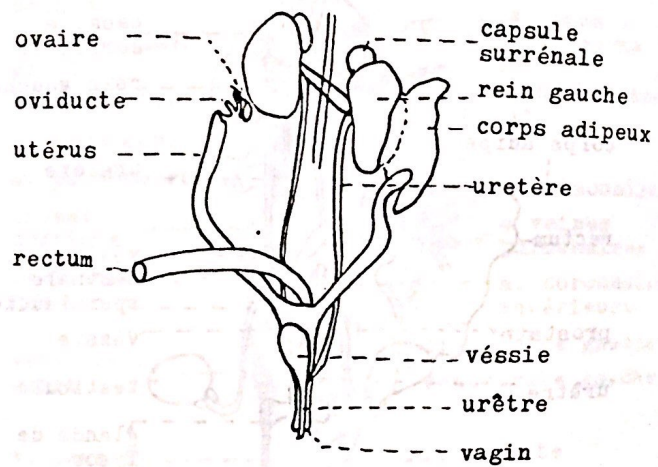
La Souris, organes en place



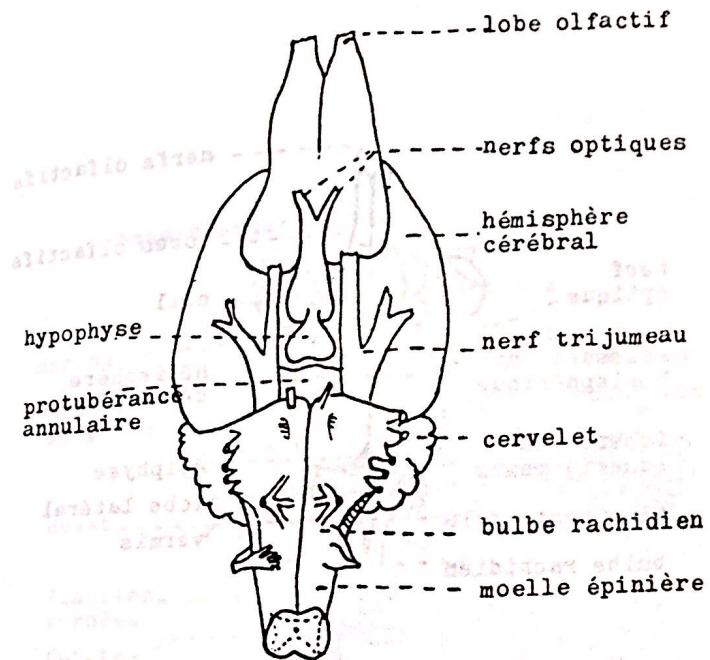
La Souris le coeur



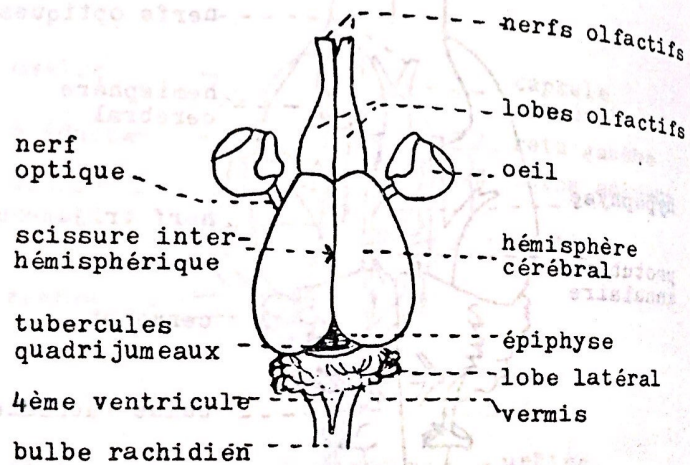
La Souris, appareil uro-génital mâle



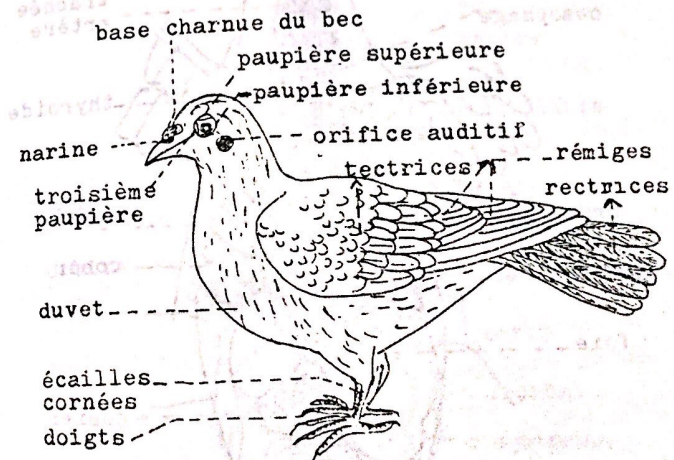
La Souris, appareil uro-génital femelle



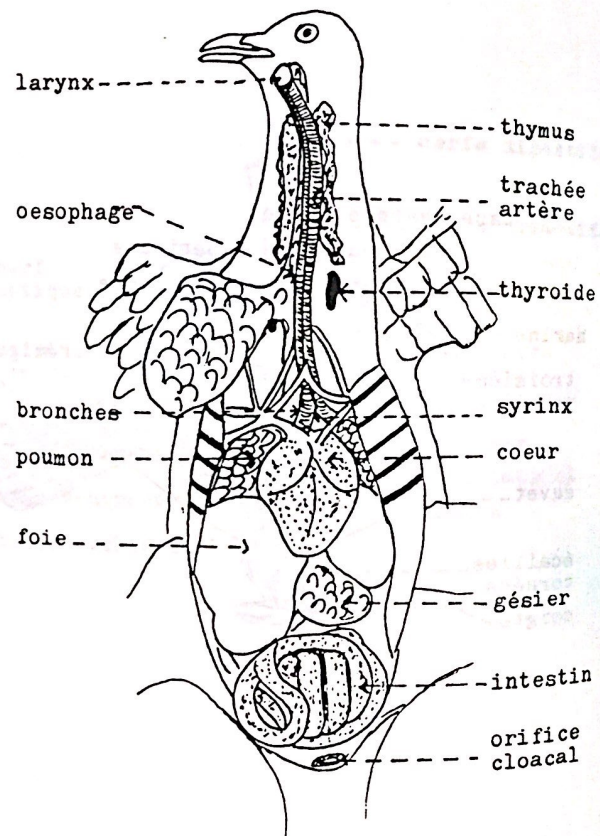
La Souris, face ventrale de l'encéphale



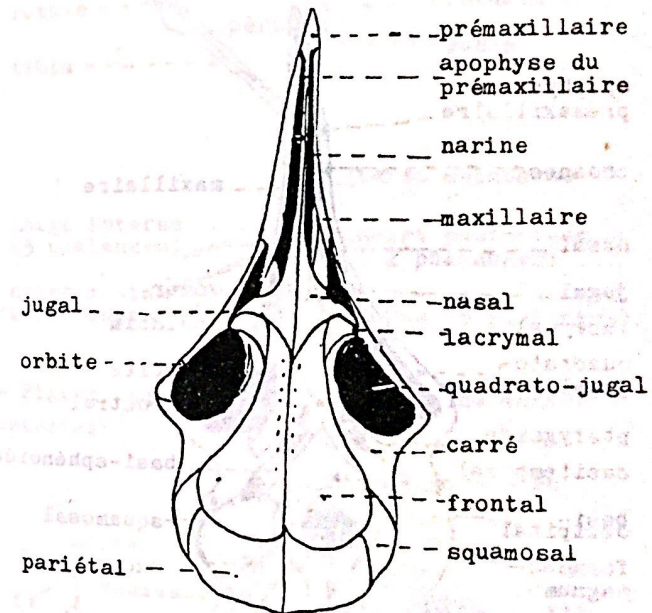
La Souris, face dorsale de l'encéphale



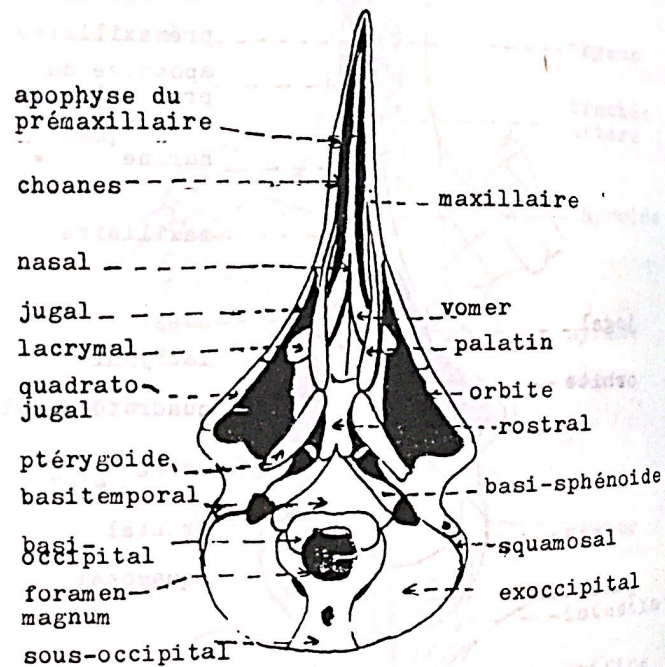
Le Pigeon



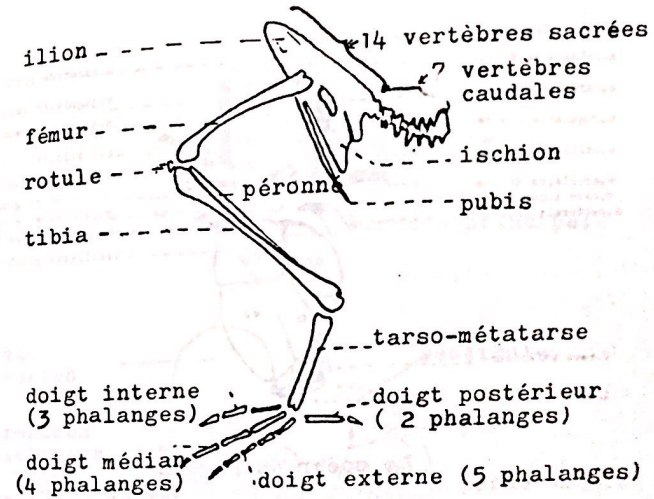
Le Pigeon, organes en place



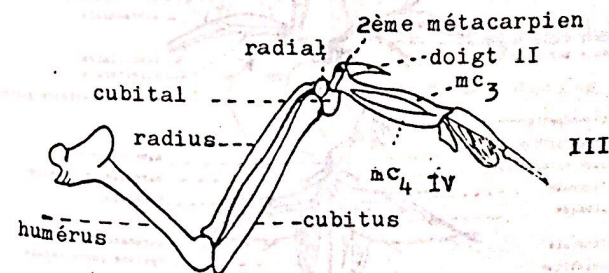
Le Pigeon, face dorsale du crâne



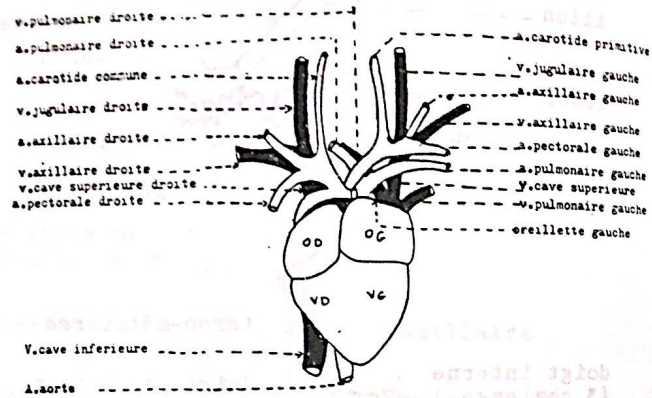
Le Pigeon, face ventrale du crâne



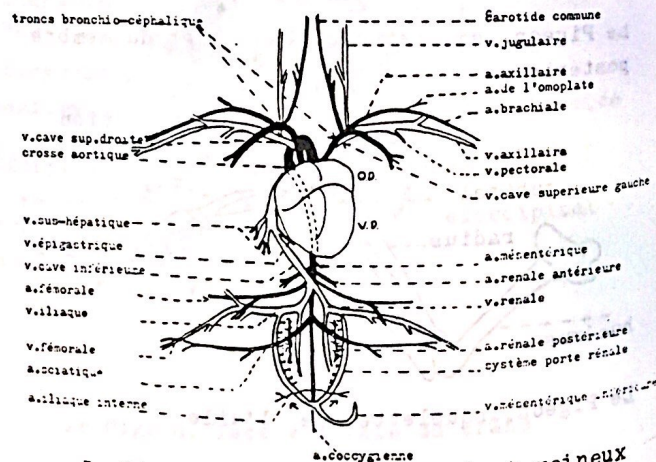
Le Pigeon, squelette du bassin et du membre postérieur



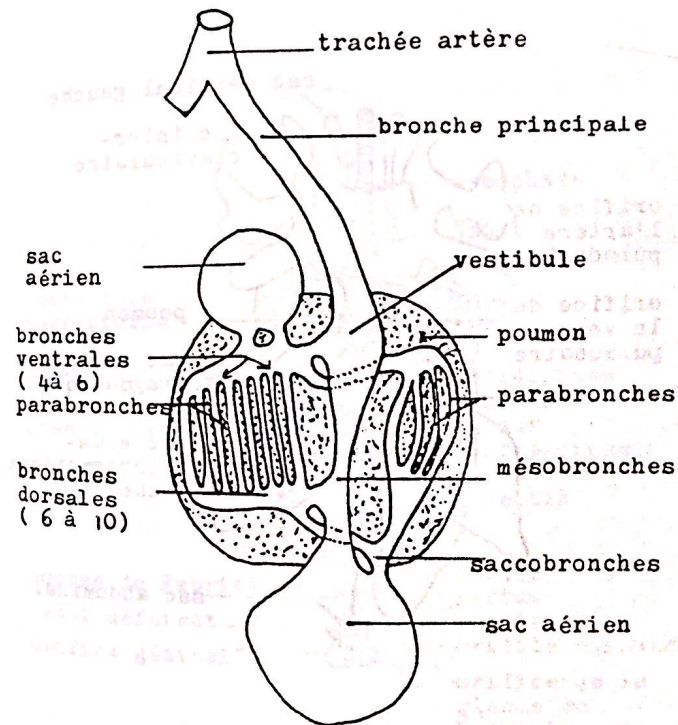
Le Pigeon, squelette de l'aile



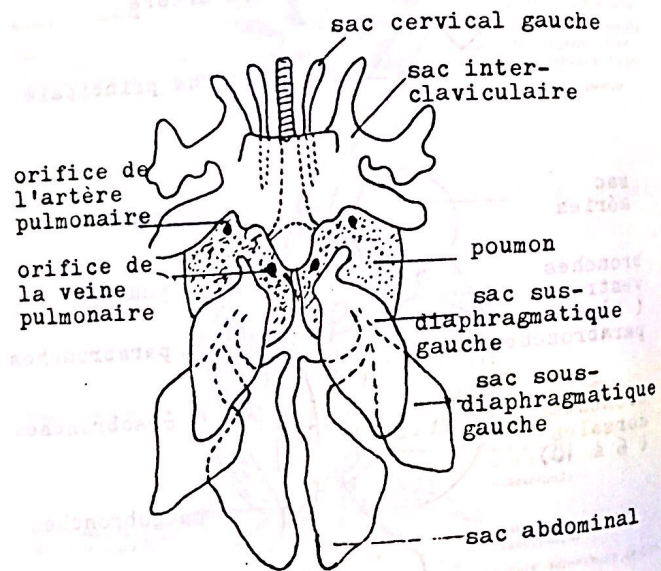
Le coeur du Pigeon



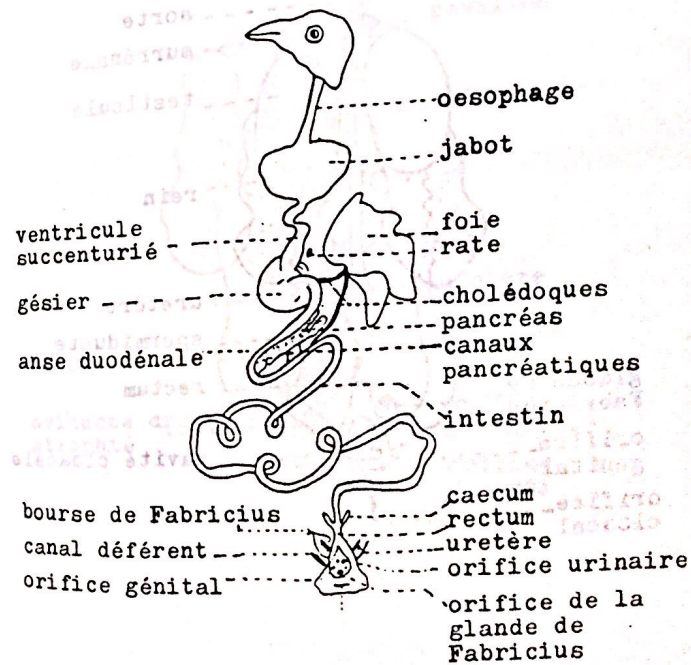
Le Pigeon, systèmes artériel et veineux



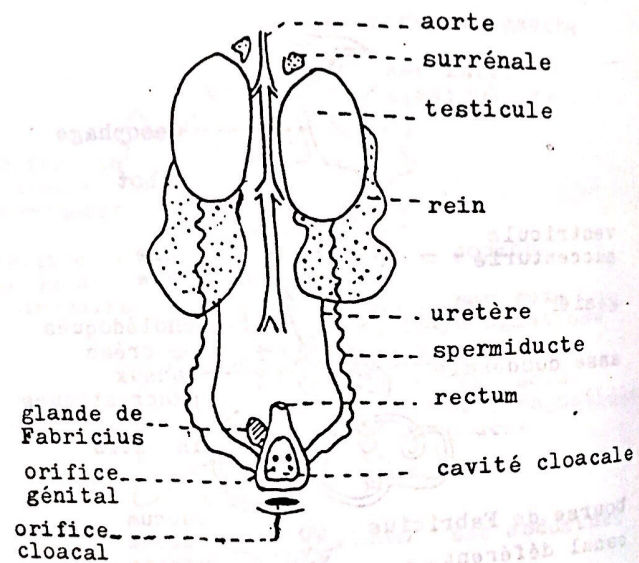
Le Pigeon, structure des poumons



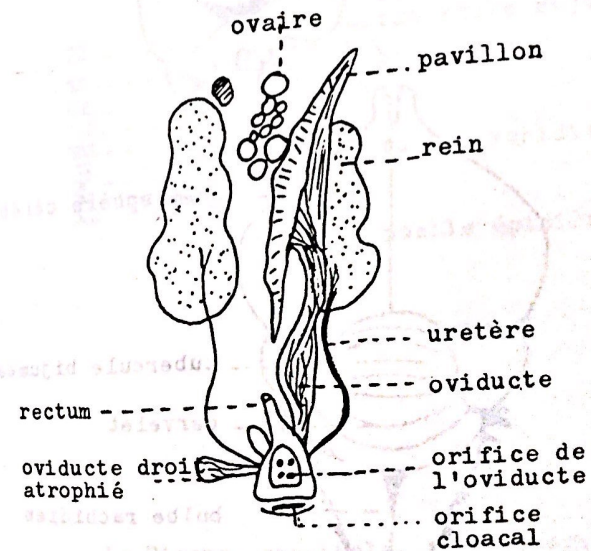
Le Pigeon, les sacs aériens



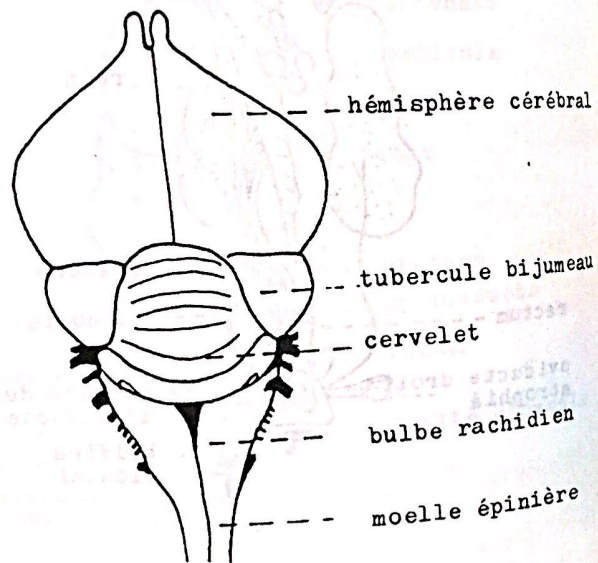
Le Pigeon, appareil digestif



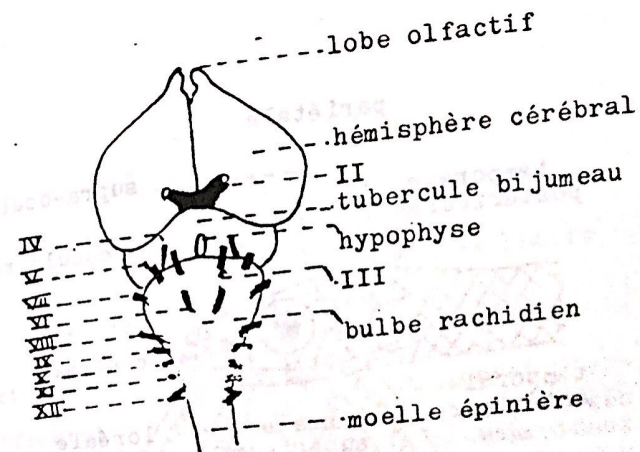
Le Pigeon, appareil uro-génital mâle.



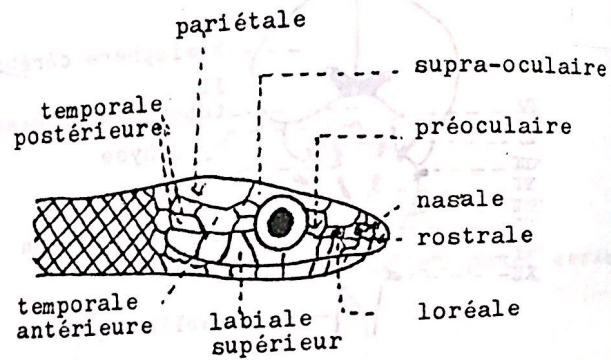
Le Pigeon, appareil uro-génital femelle



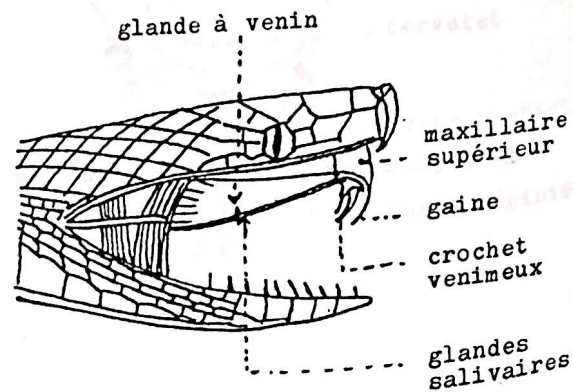
Le Pigeon, encéphale, face dorsale



Le Pigeon, encéphale, face ventrale

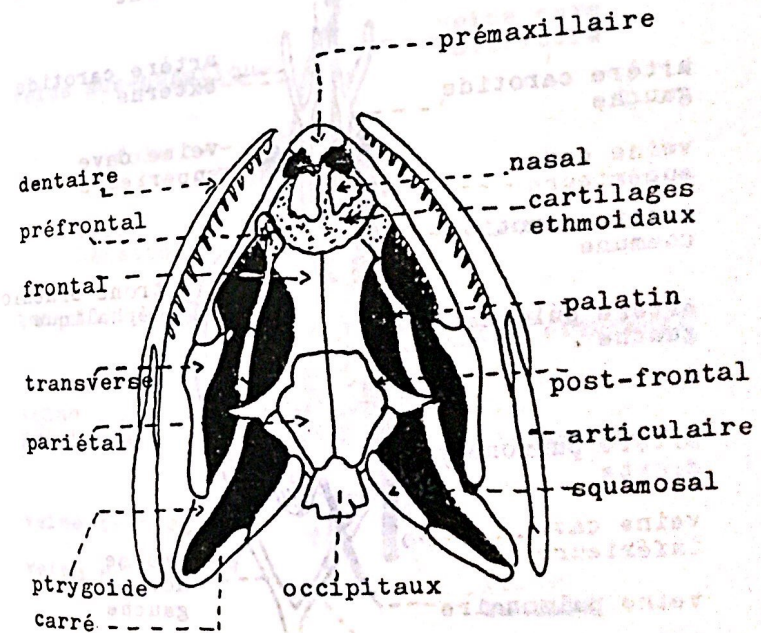


Tête de Couleuvre, nomenclature des écailles latérales

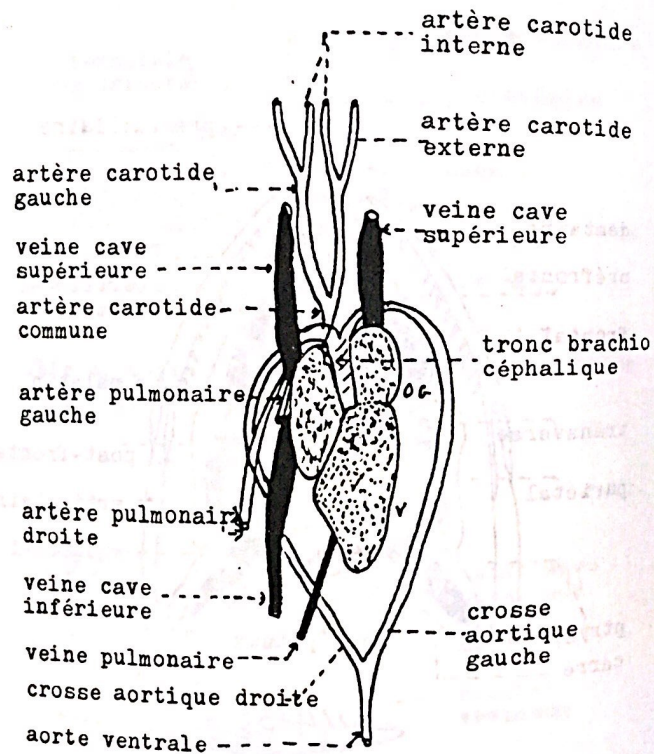


Appareil venimeux de la Vipère

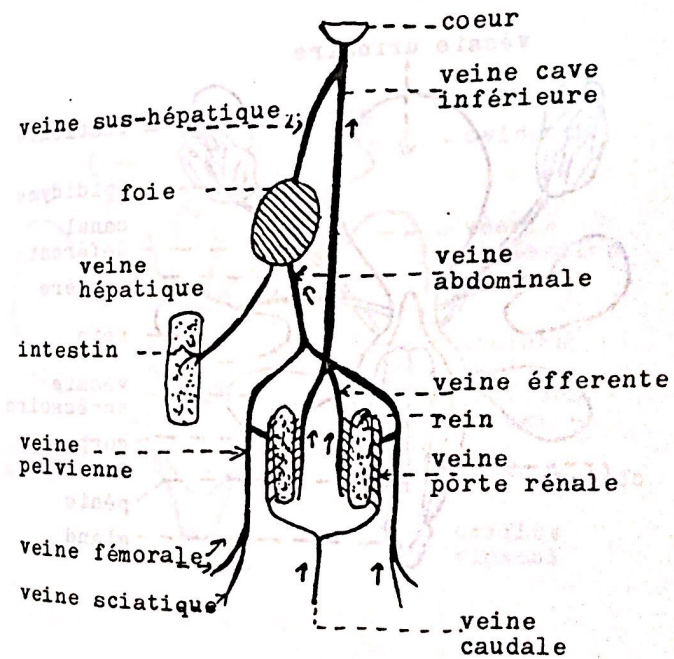
Les Reptiles



La Couleuvre, le crâne

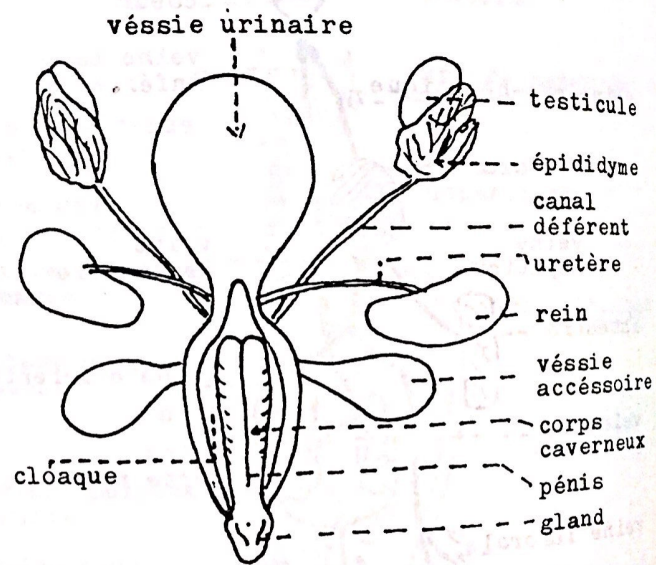


Le coeur de la Couleuvre



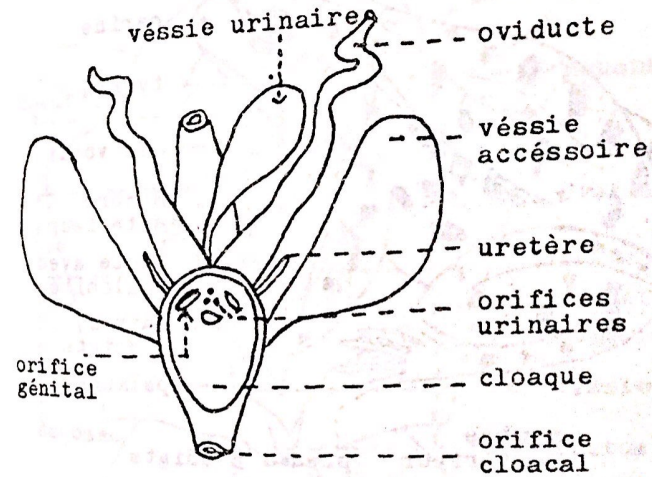
Le Léopard, système veineux

Les Reptiles



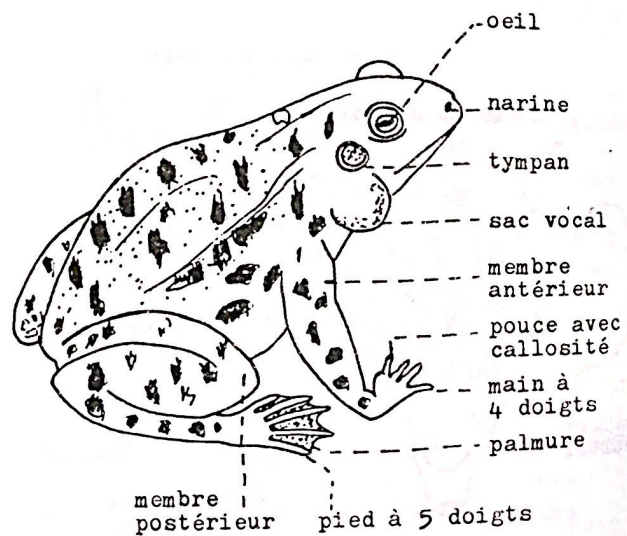
Appareil uro-génital mâle du Léopard

Les Reptiles

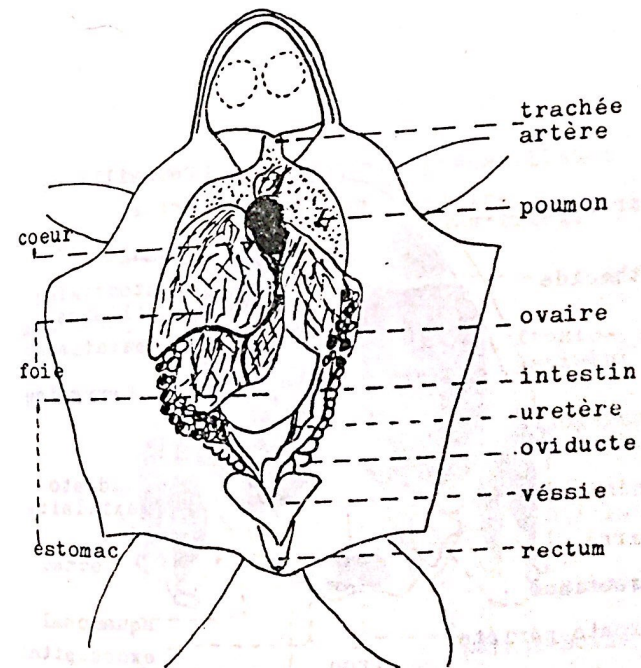


Appareil uro-génital femelle du Léopard

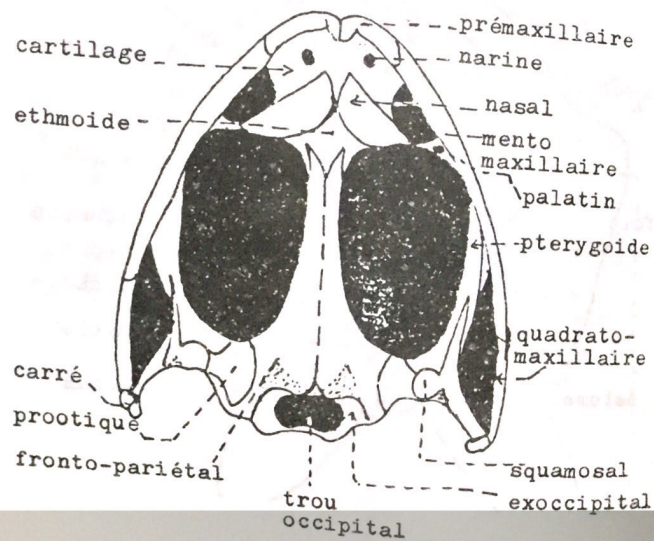
Les Reptiles



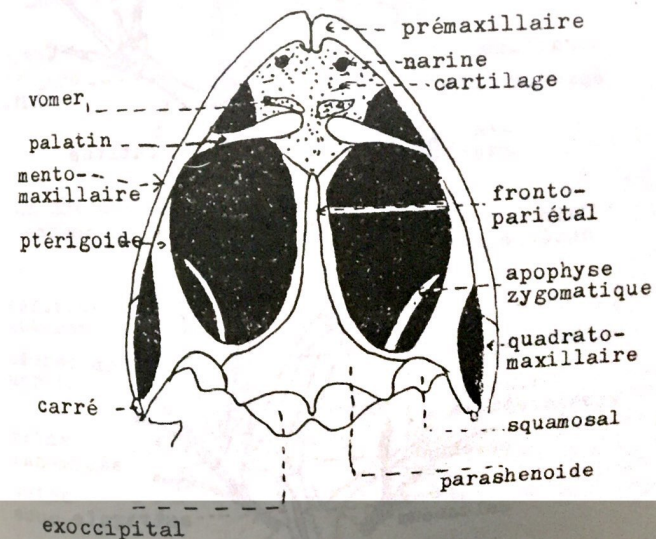
La Grenouille



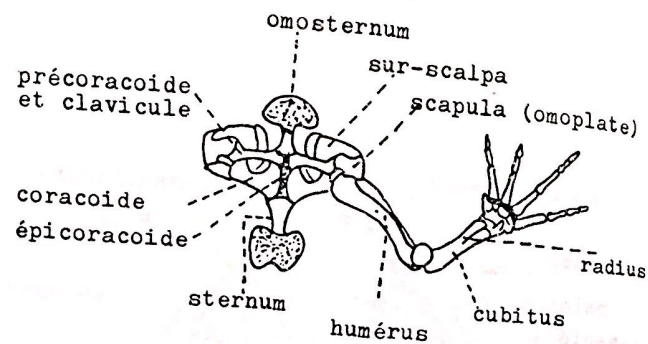
La Grenouille, organes en place



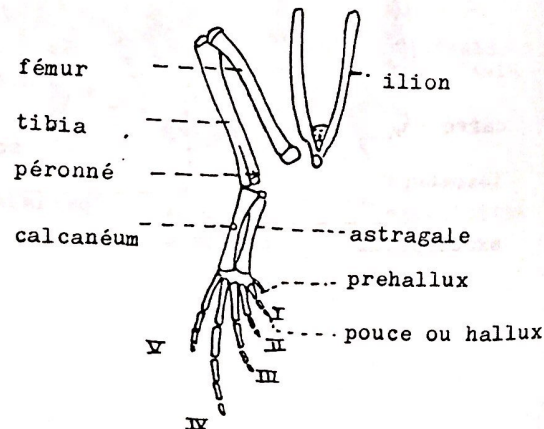
La Grenouille, face dorsale du crâne



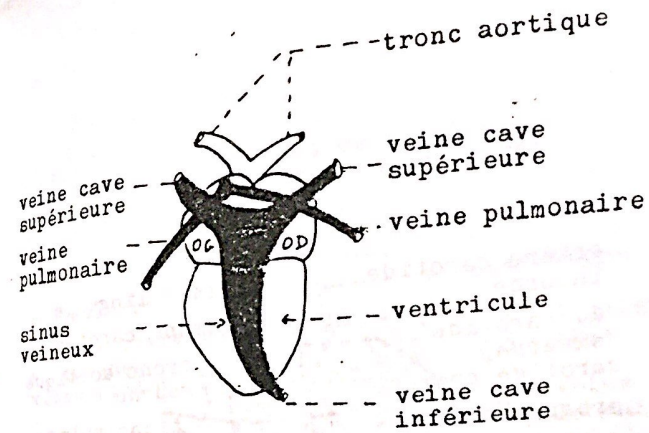
La Grenouille, face ventrale du crâne



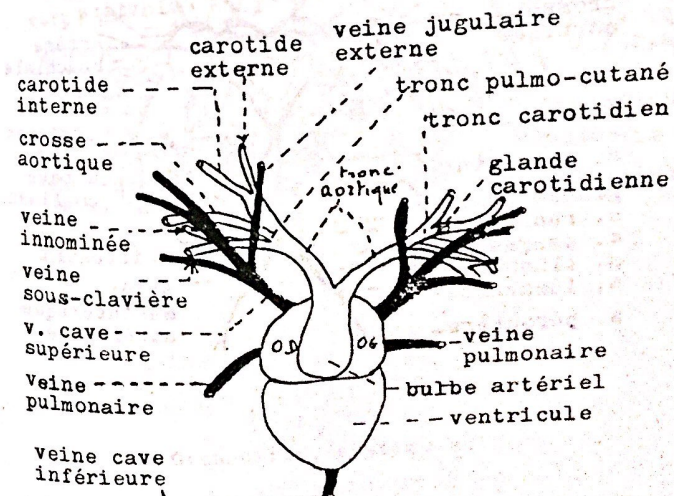
Ceinture scapulaire et squelette du membre antérieur de la Grenouille



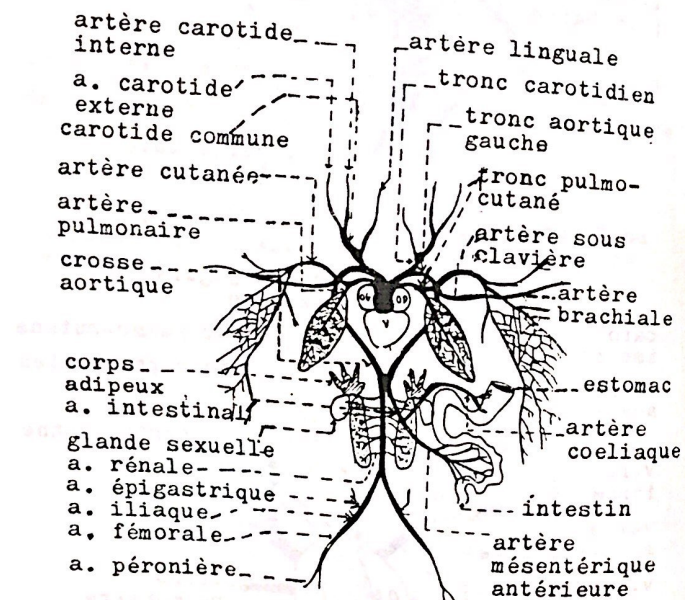
Ceinture pelvienne et squelette du membre postérieur de la Grenouille



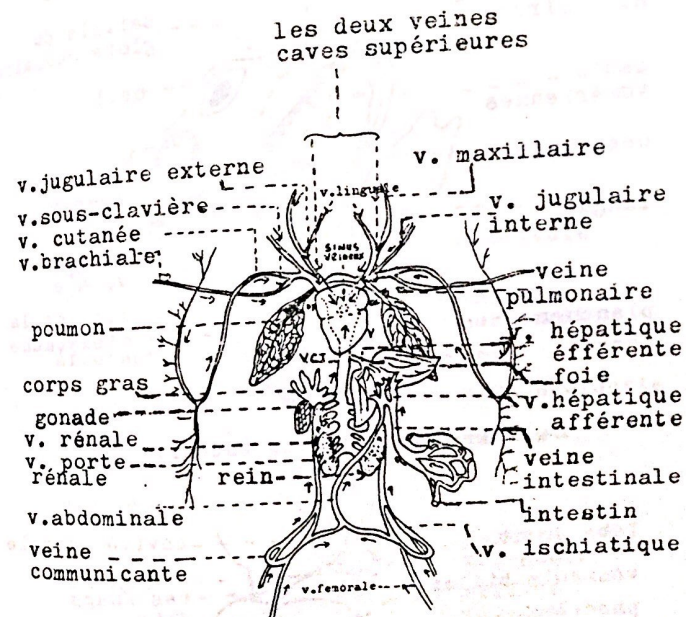
La Grenouille, face ventrale du coeur



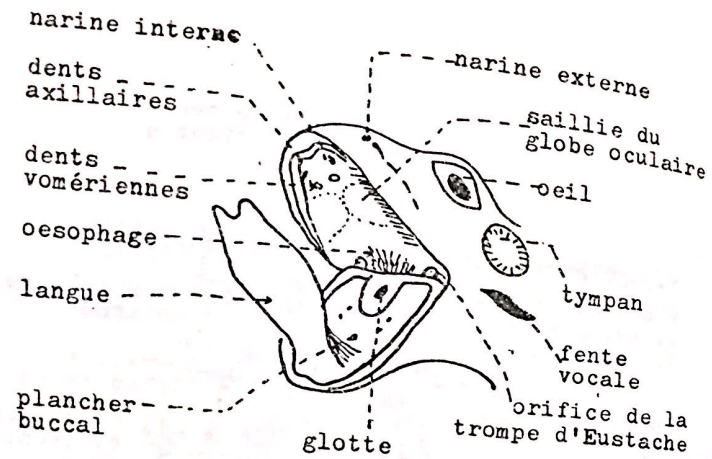
La Grenouille, face dorsale du coeur



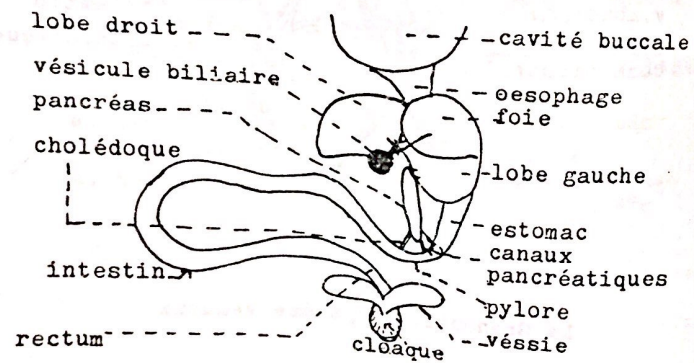
La Grenouille, système artériel



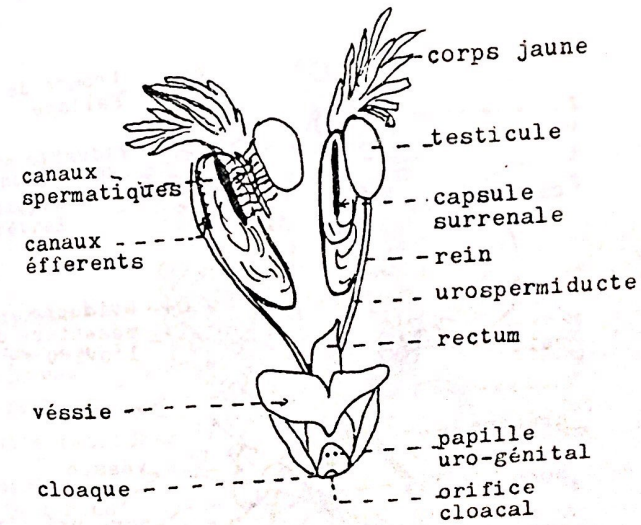
La Grenouille, système veineux



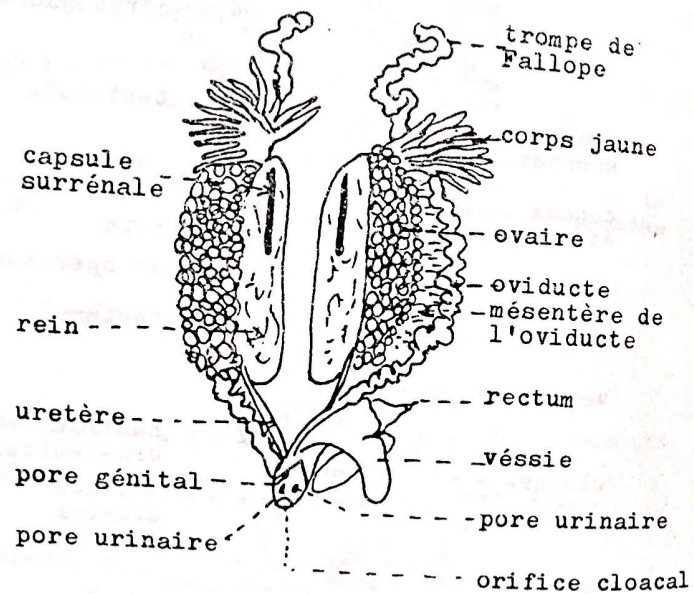
La Grenouille, cavité buccale



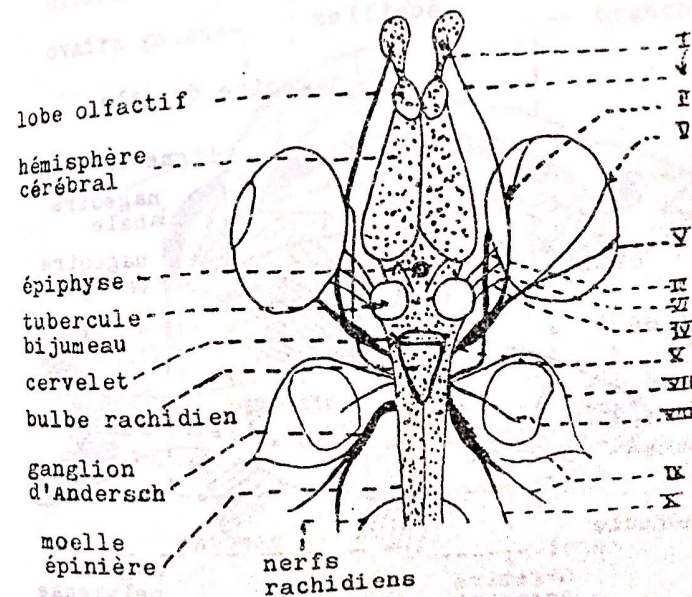
La Grenouille, appareil digestif



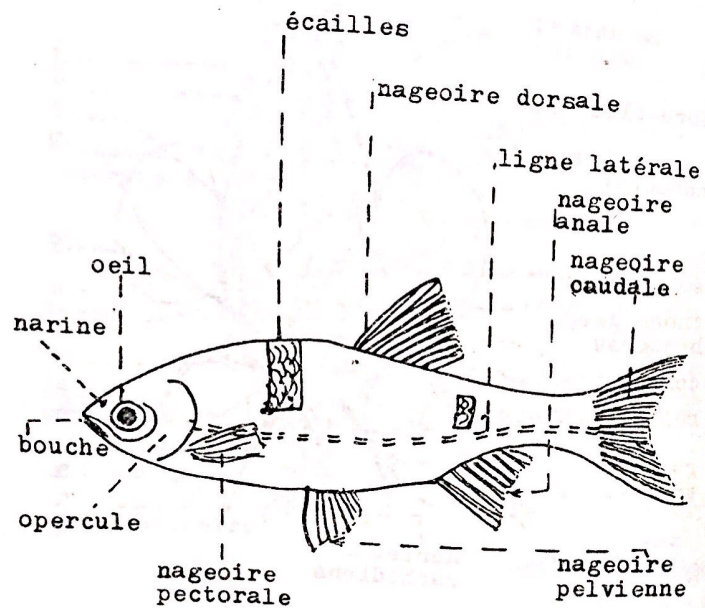
La Grenouille, appareil génital mâle



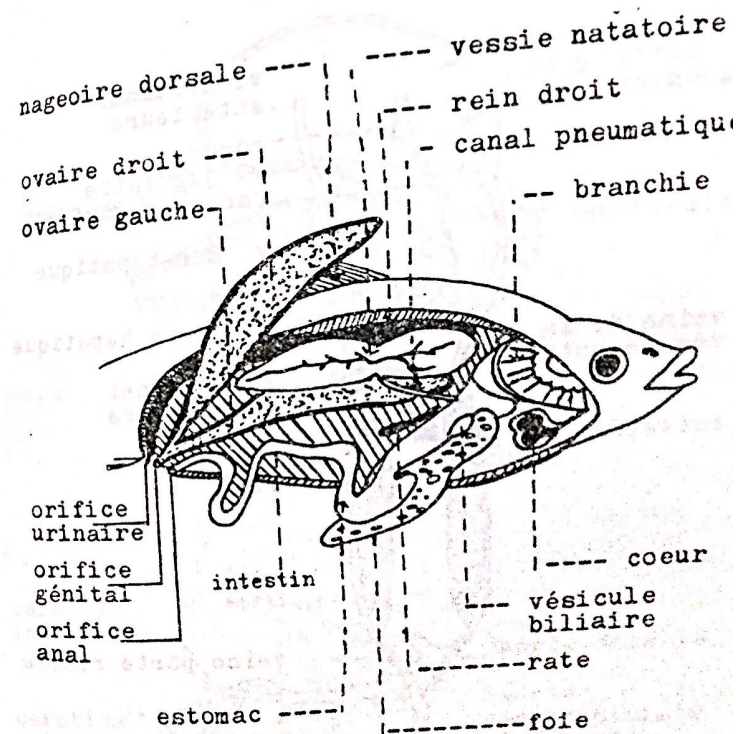
La Grenouille, appareil génital femelle



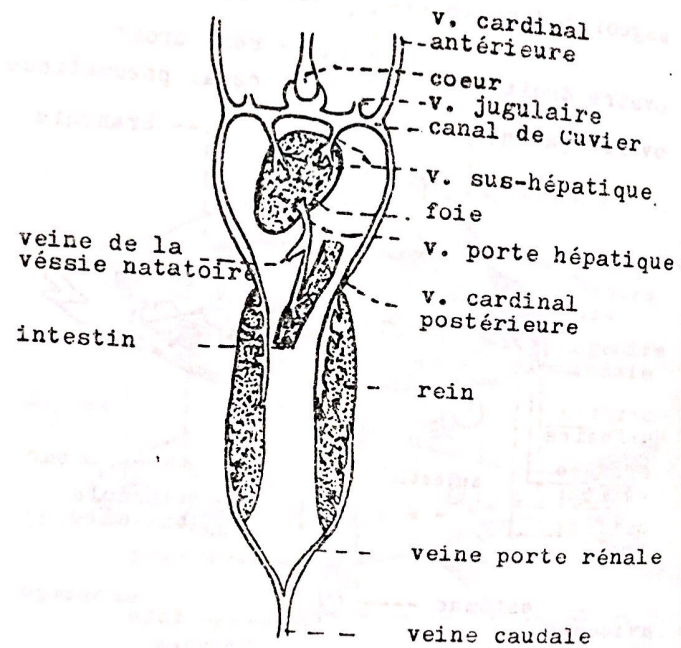
La Grenouille, encéphale et nerfs crâniens



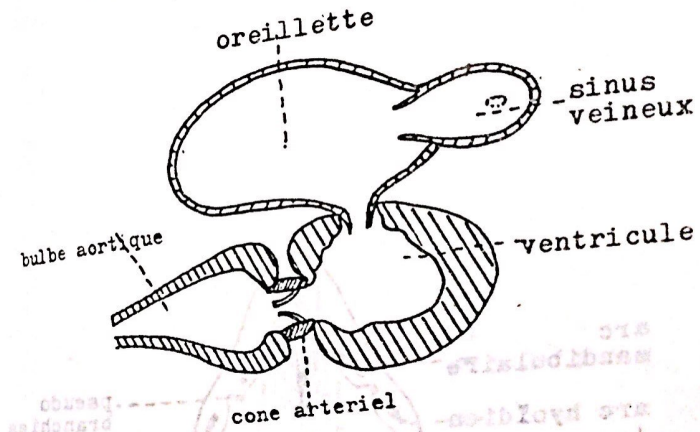
Le Poisson (Téléostéen)



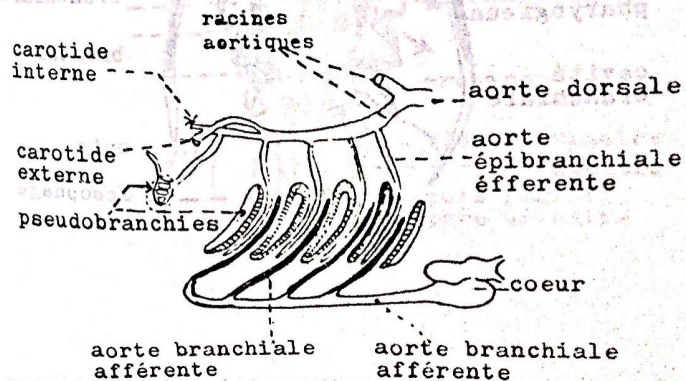
Le Poisson, organes en place



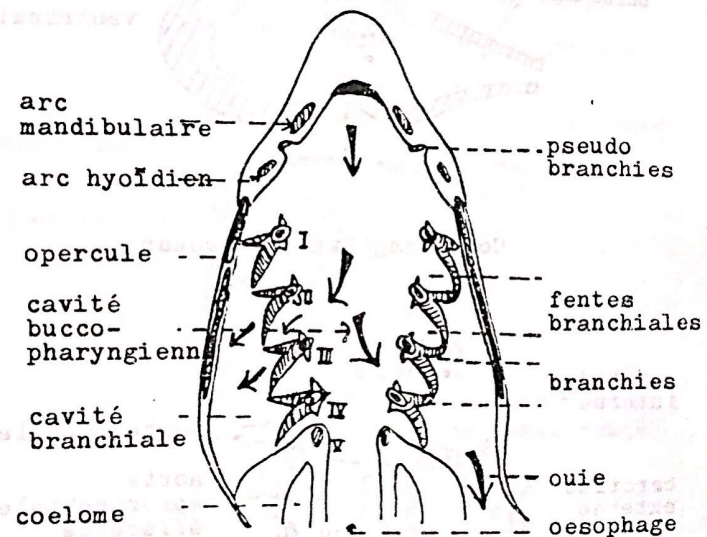
Le Poisson, système veineux



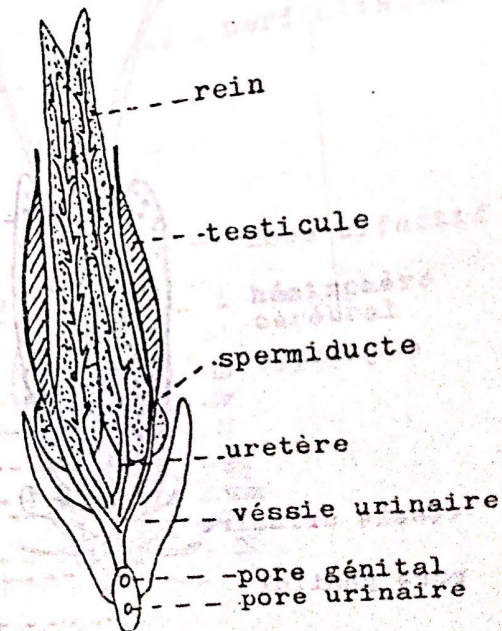
Coupe sagittale du coeur



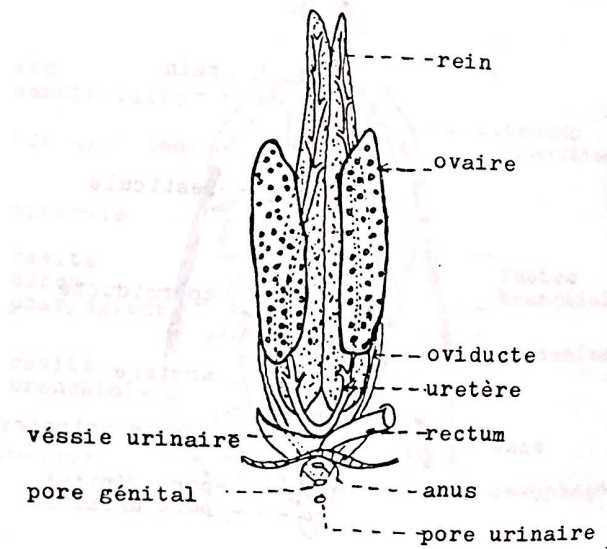
Les vaisseaux branchiaux du Poisson



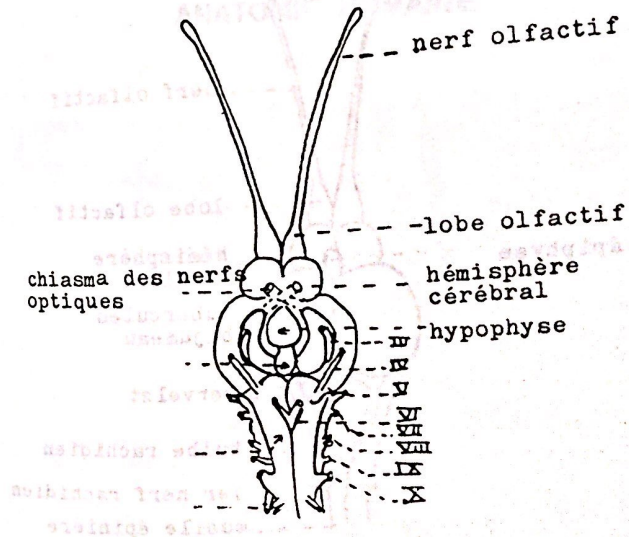
Le Poisson, disposition des branchies



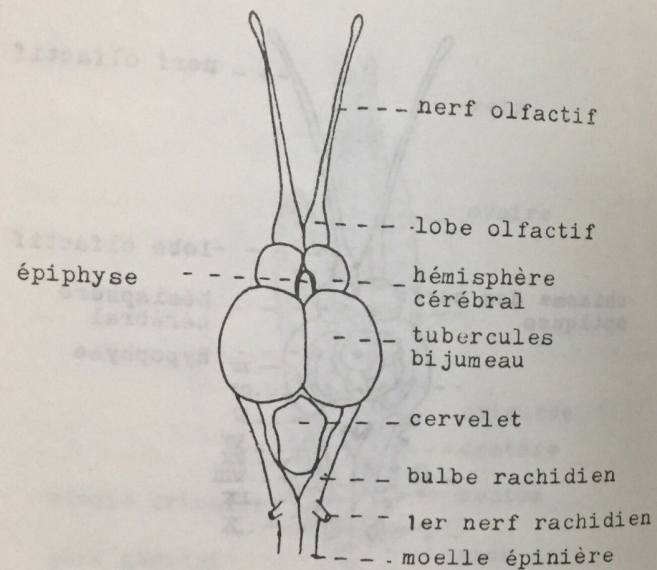
Le Poisson, organe génito-urinaire mâle



Le Poisson, organe génito-urinaire femelle

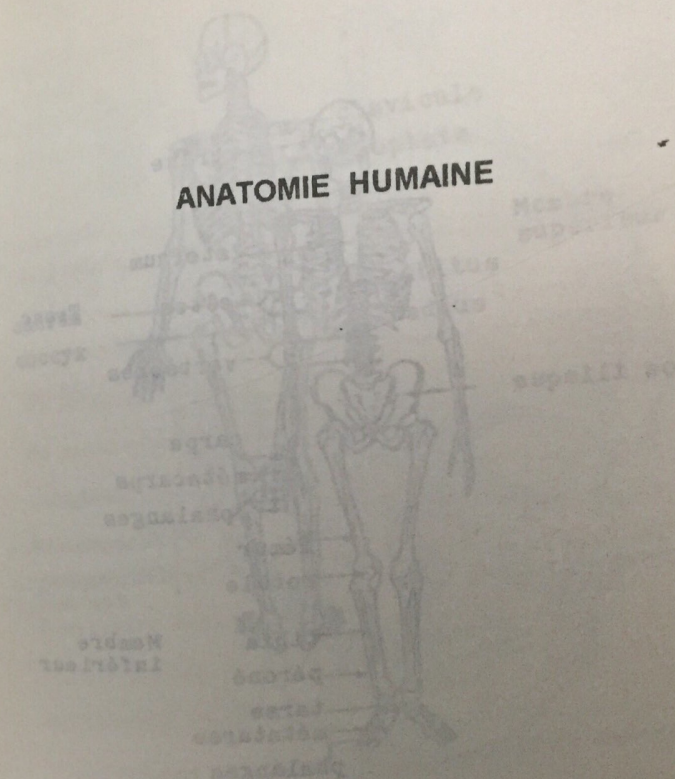


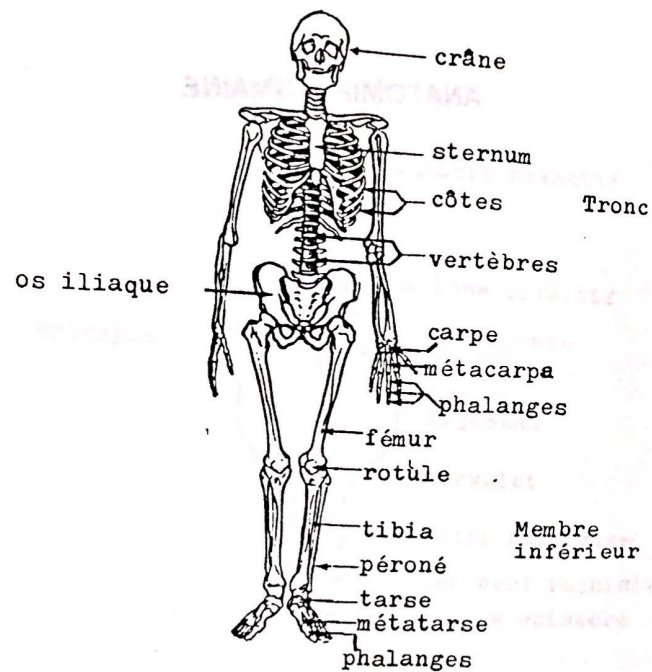
Le Poisson, vue ventrale de l'encéphale



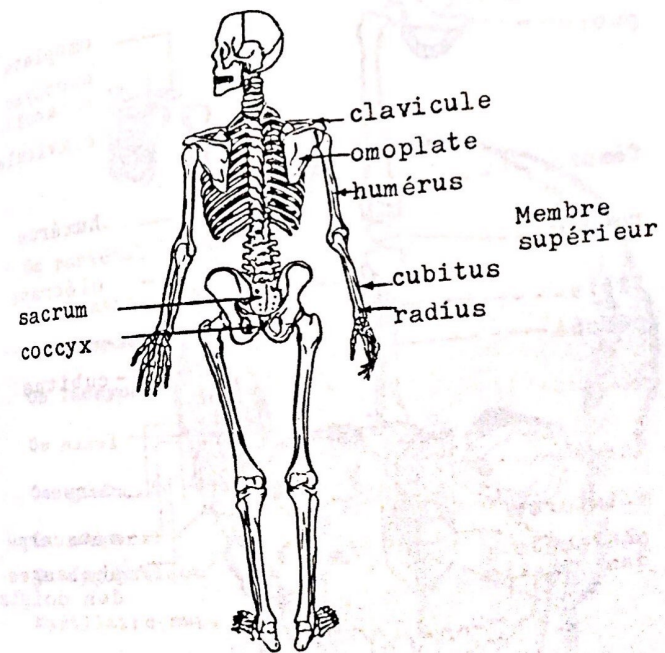
Le Poisson, vue dorsale de l'encéphale

ANATOMIE HUMAINE

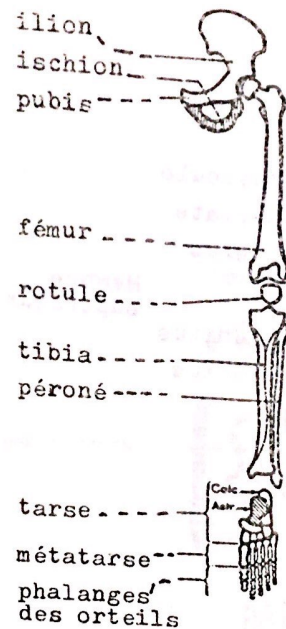




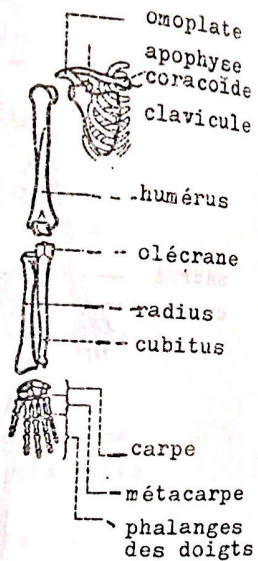
Le squelette, vue de face



Le squelette, vue de dos

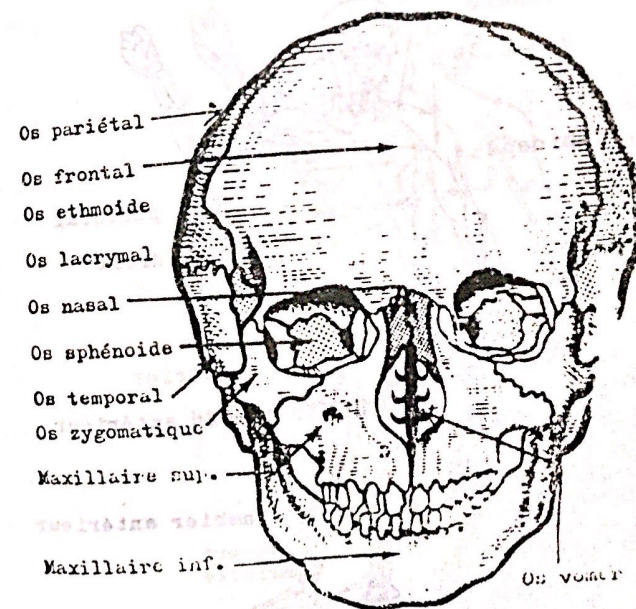


Membre inférieur

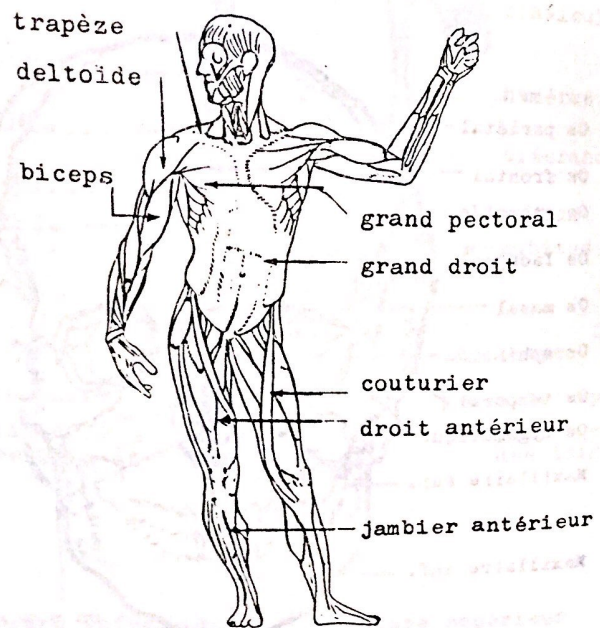


Membre supérieur

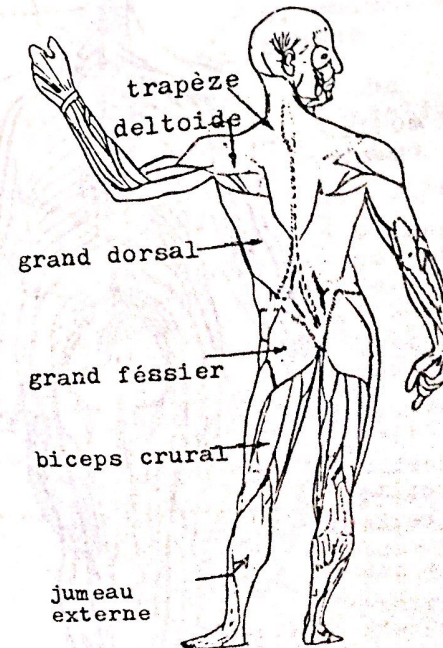
Squelette des membres supérieur et inférieur



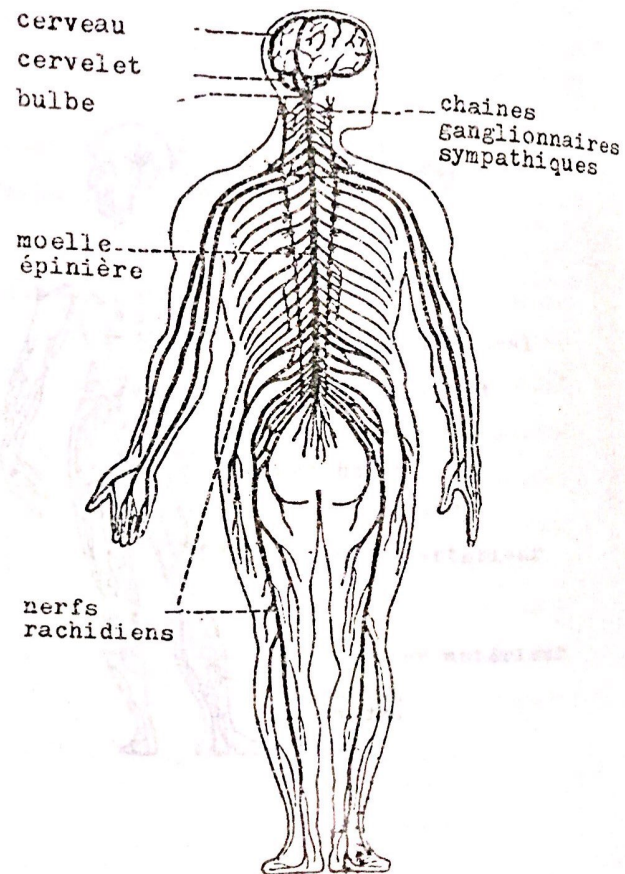
Le crâne



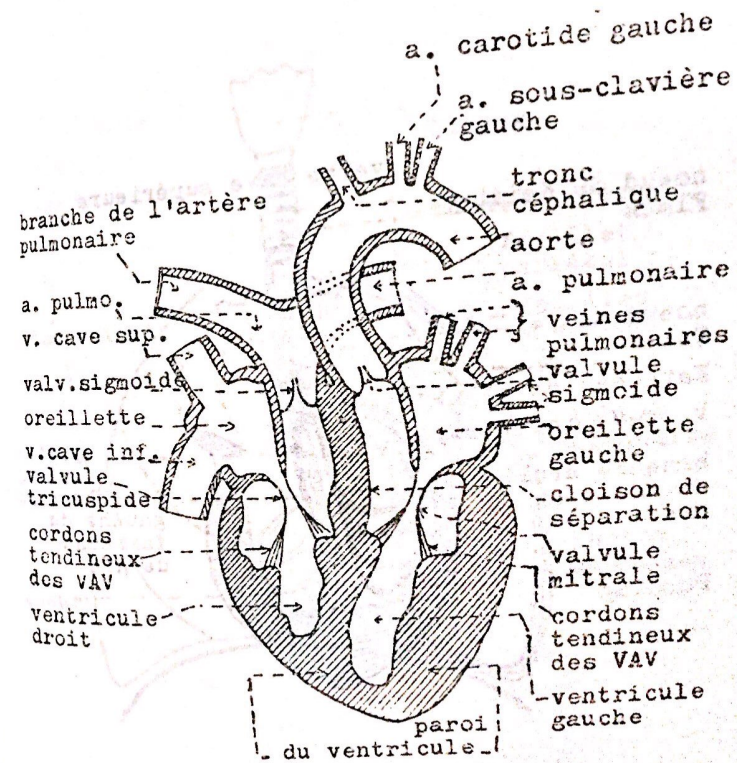
Le système musculaire, vue ventrale



Le système musculaire, vue de dos

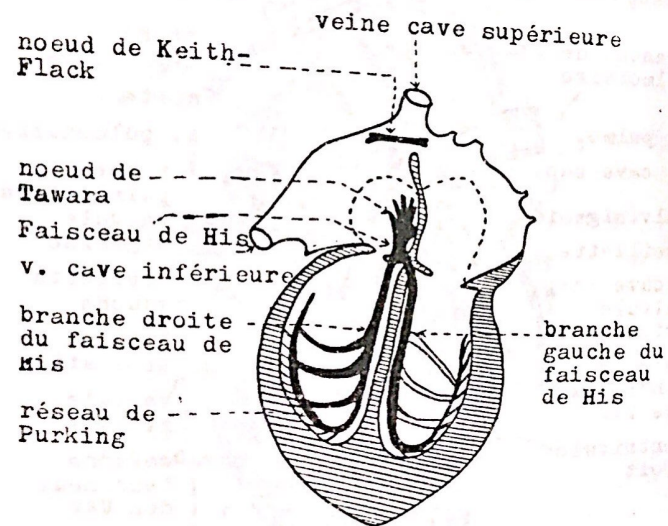


Le système nerveux

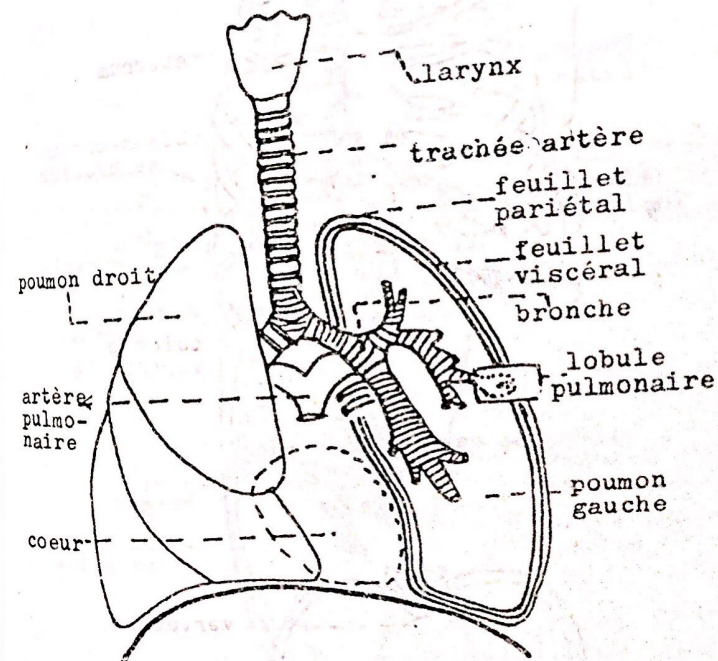


a. = artère
v. = veine

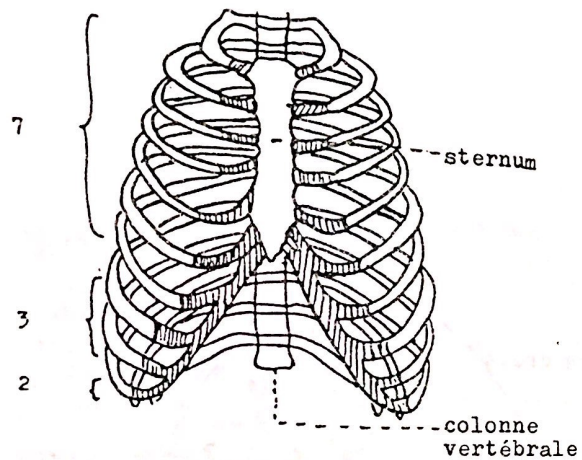
Le coeur



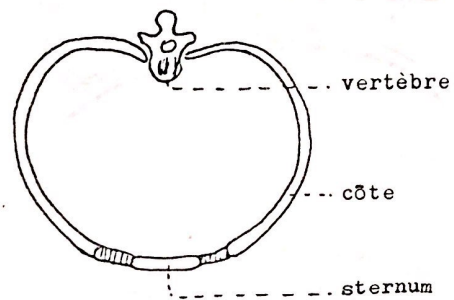
Le tissu nodal du coeur



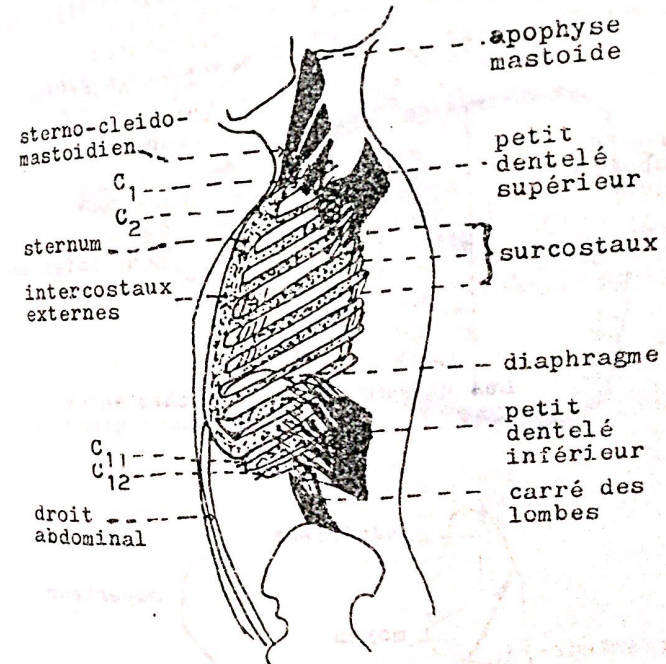
Appareil pulmonaire



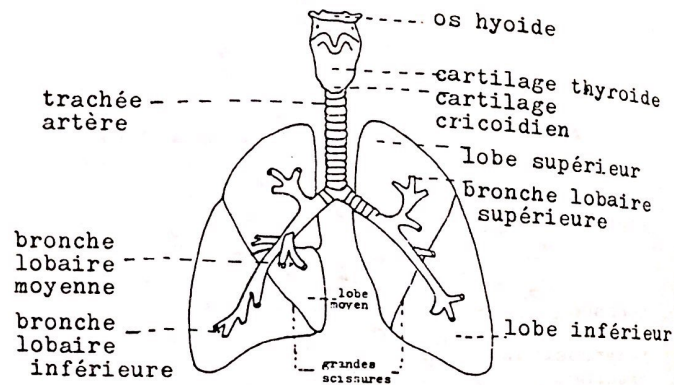
La cage thoracique



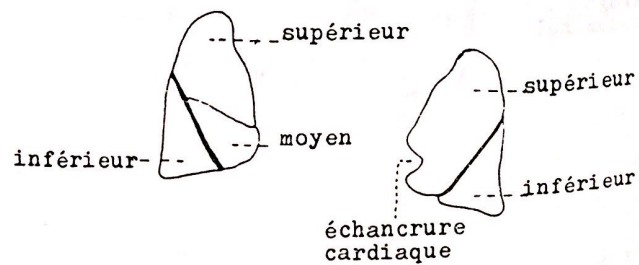
Un arc thoracique



Les muscles respiratoires

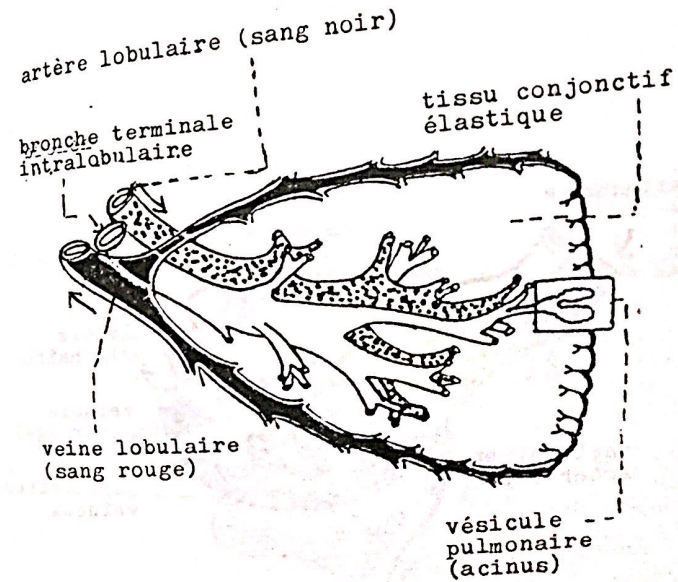


Les divisions des bronches

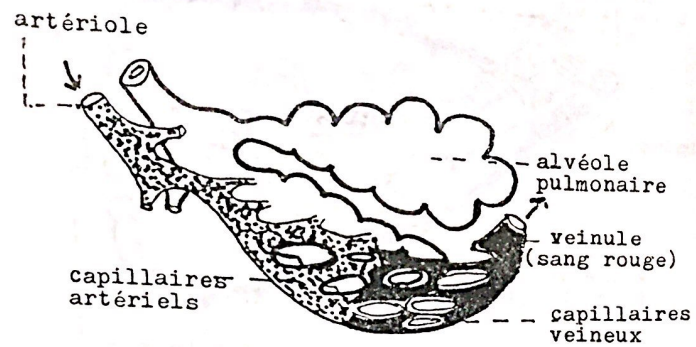


Poumon droit
(trois lobes)

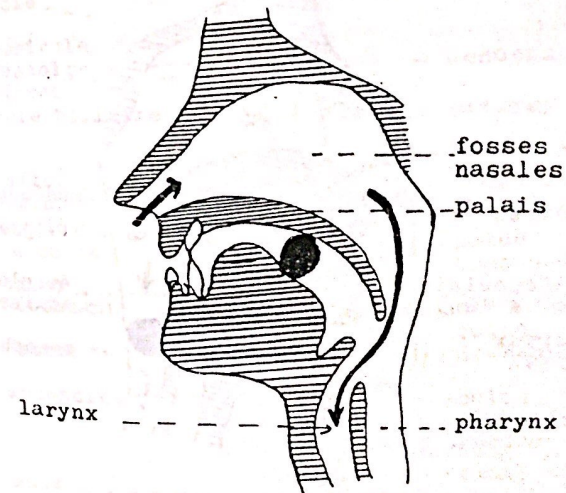
Poumon gauche
(deux lobes)



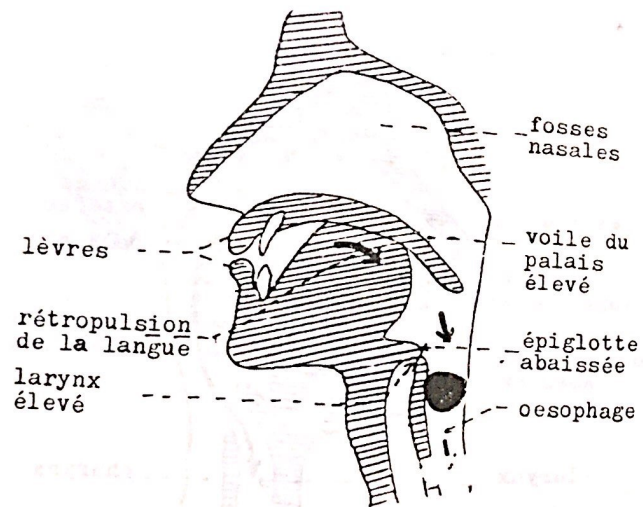
Un lobule pulmonaire



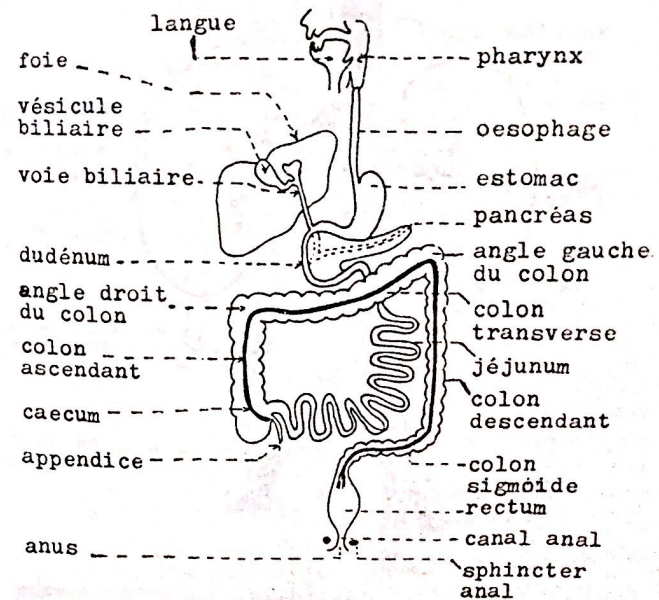
Un acinus pulmonaire



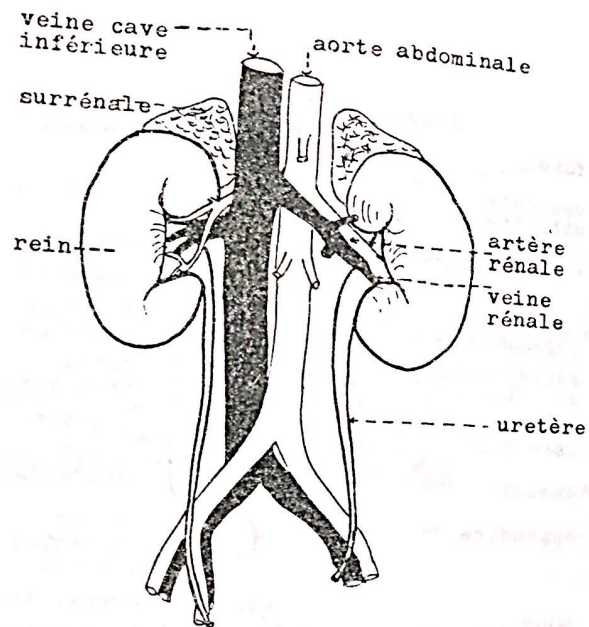
Respiration



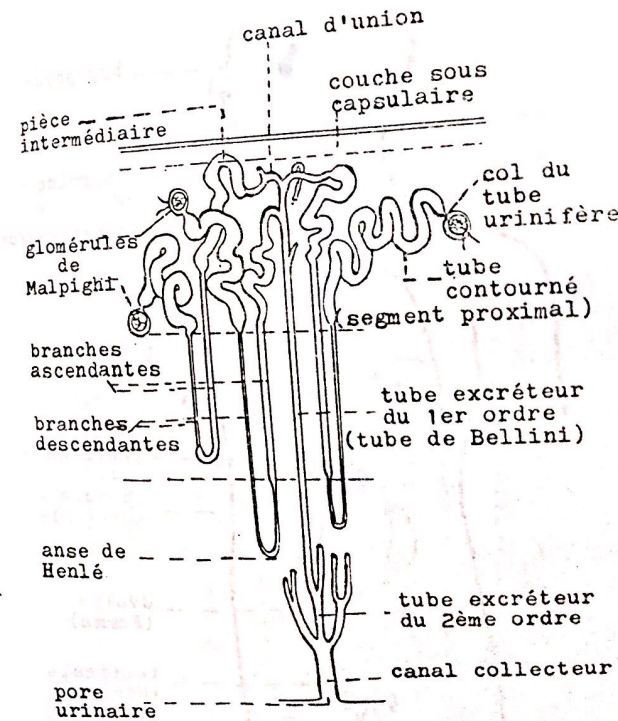
Déglutition



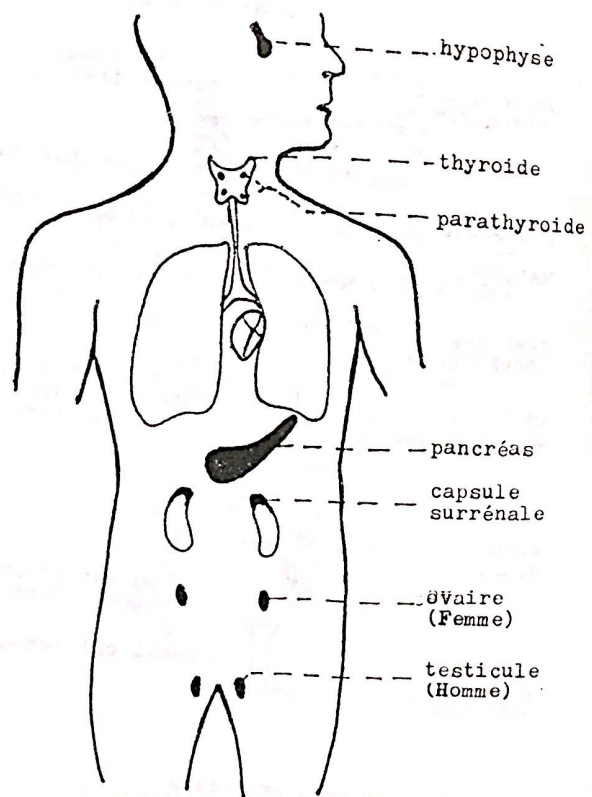
L'appareil digestif



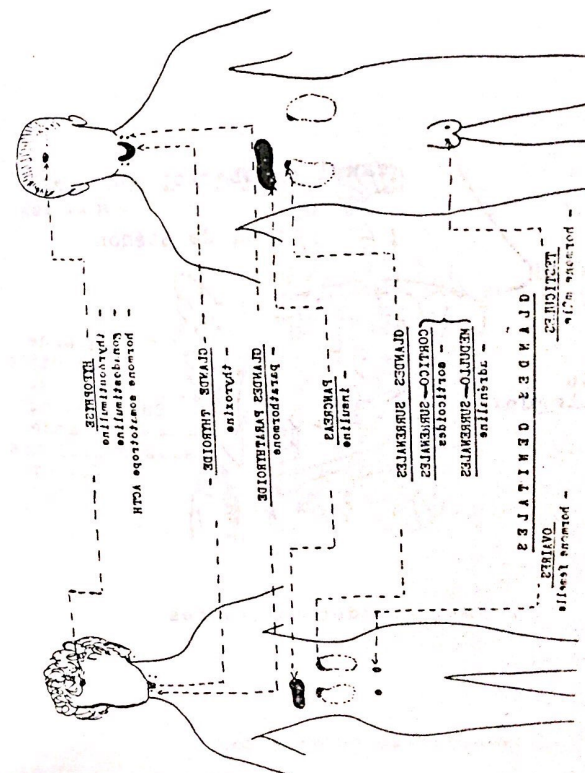
L'appareil urinaire

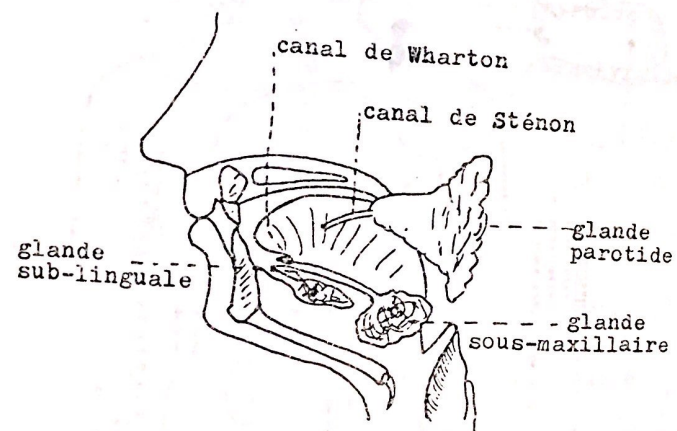


Le tube urinifère

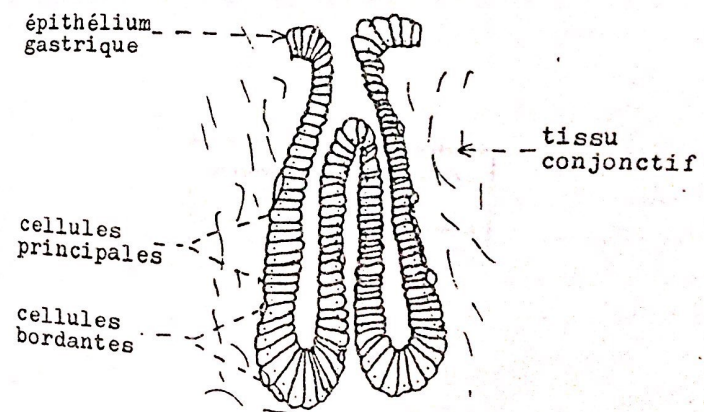


Les glandes endocrines
- 100 -





Les glandes salivaires



Les glandes gastriques

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