

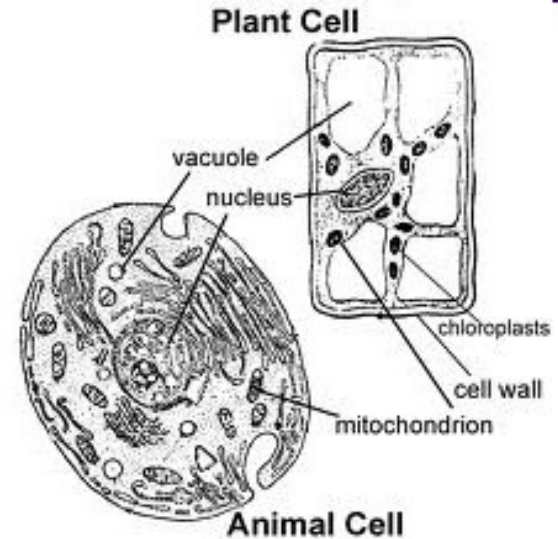


Réflexions et discussions sur la sentience des invertébrés

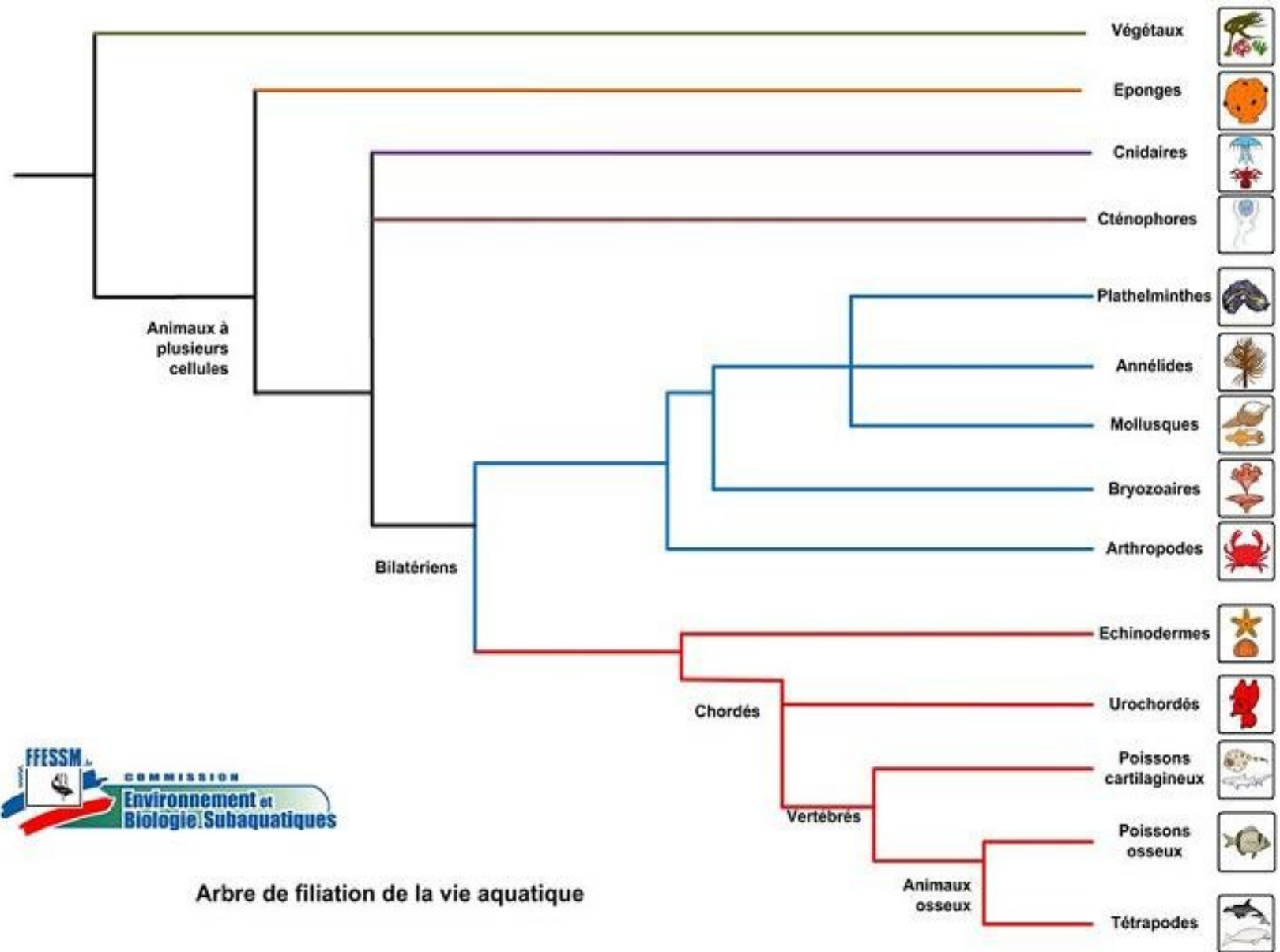
Discussion collective

Les invertébrés

- Classification effectuée au XIXe siècle par Jean-Baptiste de Lamarck,



- Définition du Larousse:
« Se dit d'un animal dépourvu de colonne vertébrale. »,
- 95% des animaux sont des invertébrés (1,3 millions d'espèces) et 85% des invertébrés sont des arthropodes,
- Les invertébrés vivent en milieu marin, eau douce, ou terrestre,
- Ils sont carnivores, herbivores ou omnivores,
- Ils volent, nagent, rampent ou marchent. D'autres sont incapables de bouger.

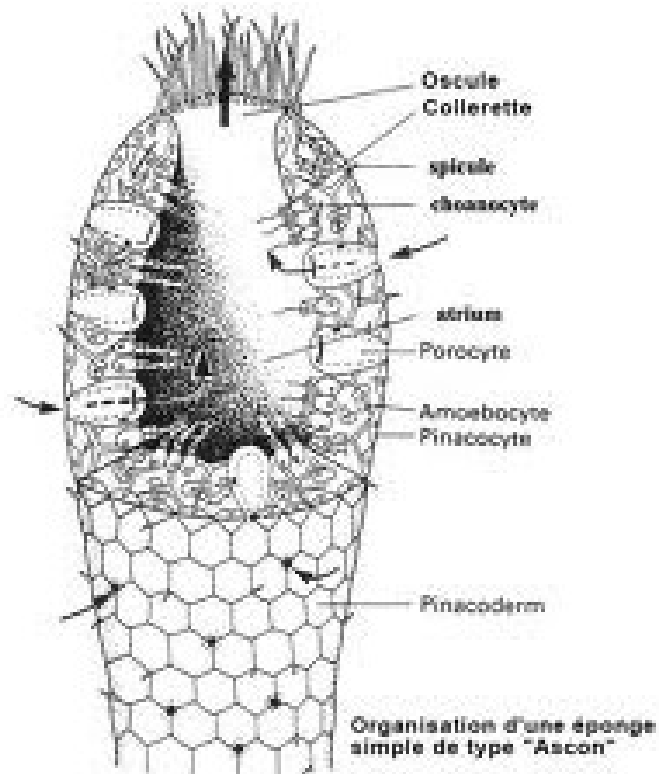


Arbre de filiation de la vie aquatique

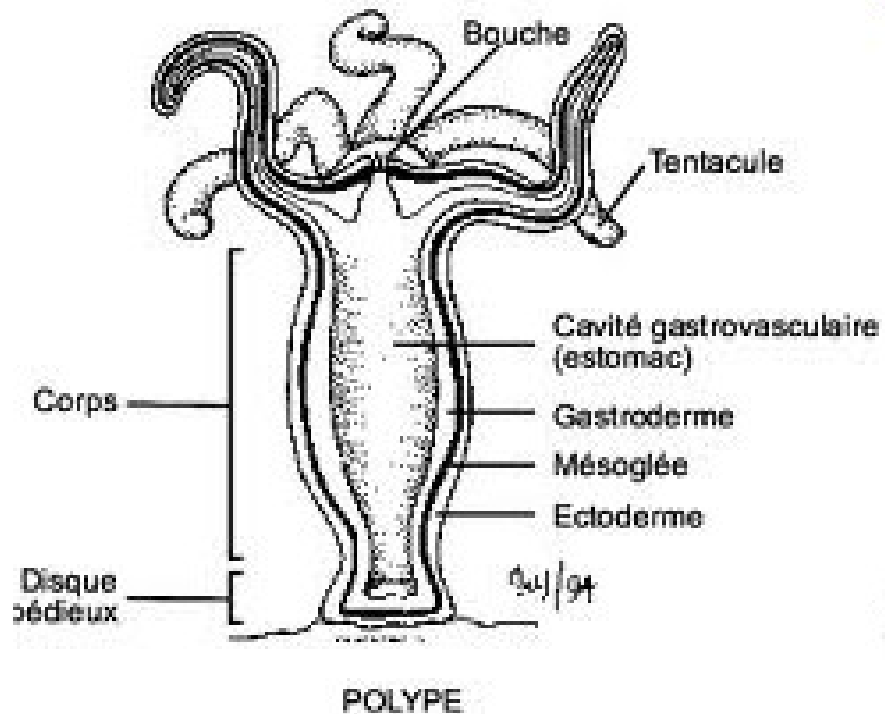
Anatomie, comportement et sentience

- Présence d'un système nerveux
- Présence d'organes sensitifs
- Identification de comportements (fuite, évitement, cris...)
- Réactions physiologiques aux stress

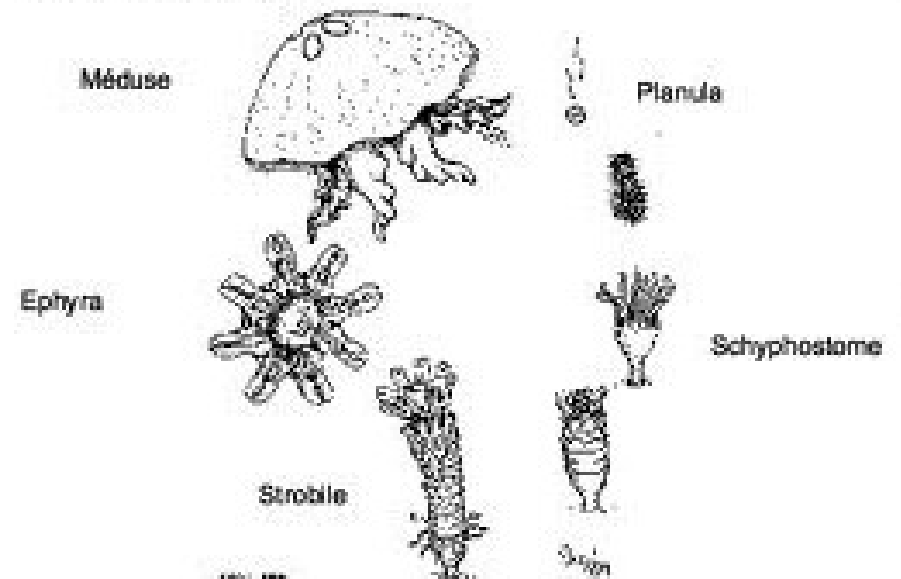
Les spongiaires



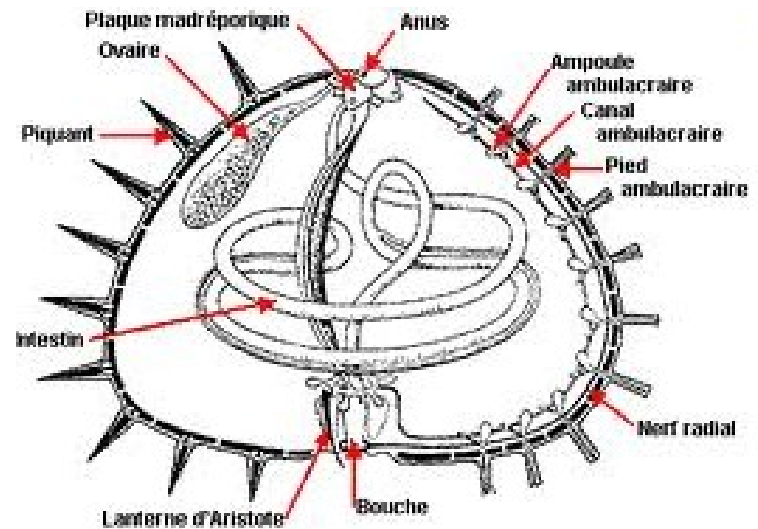
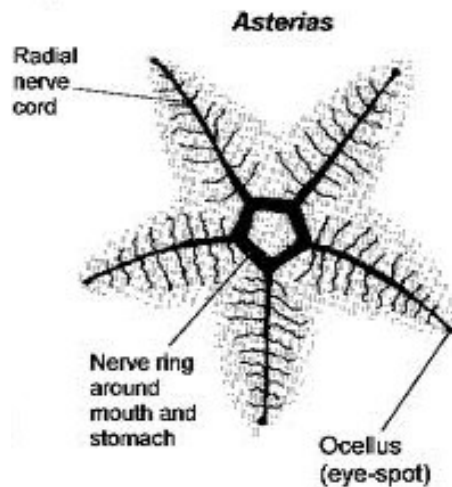
Les cnidaires



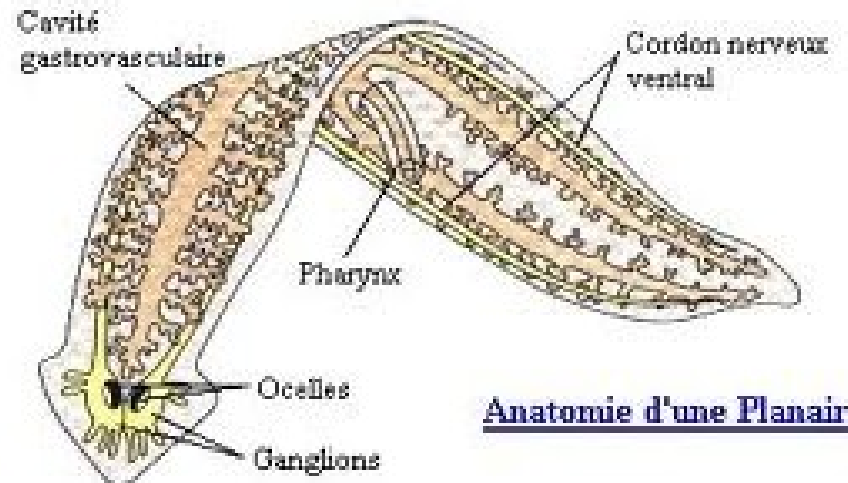
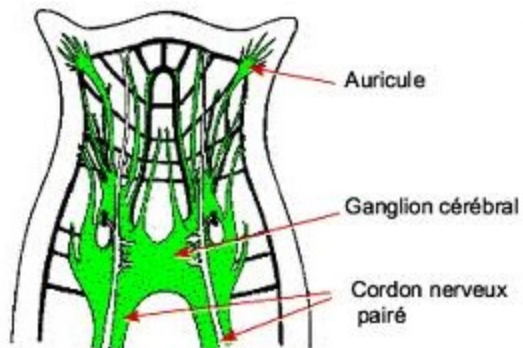
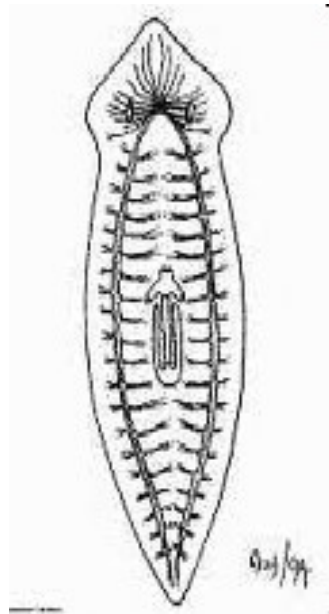
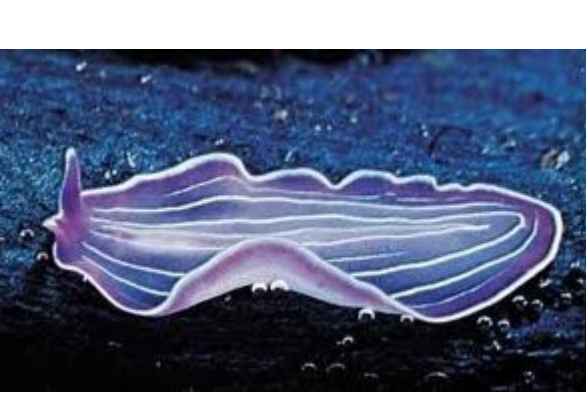
Schyphozoaire



Les échinodermes

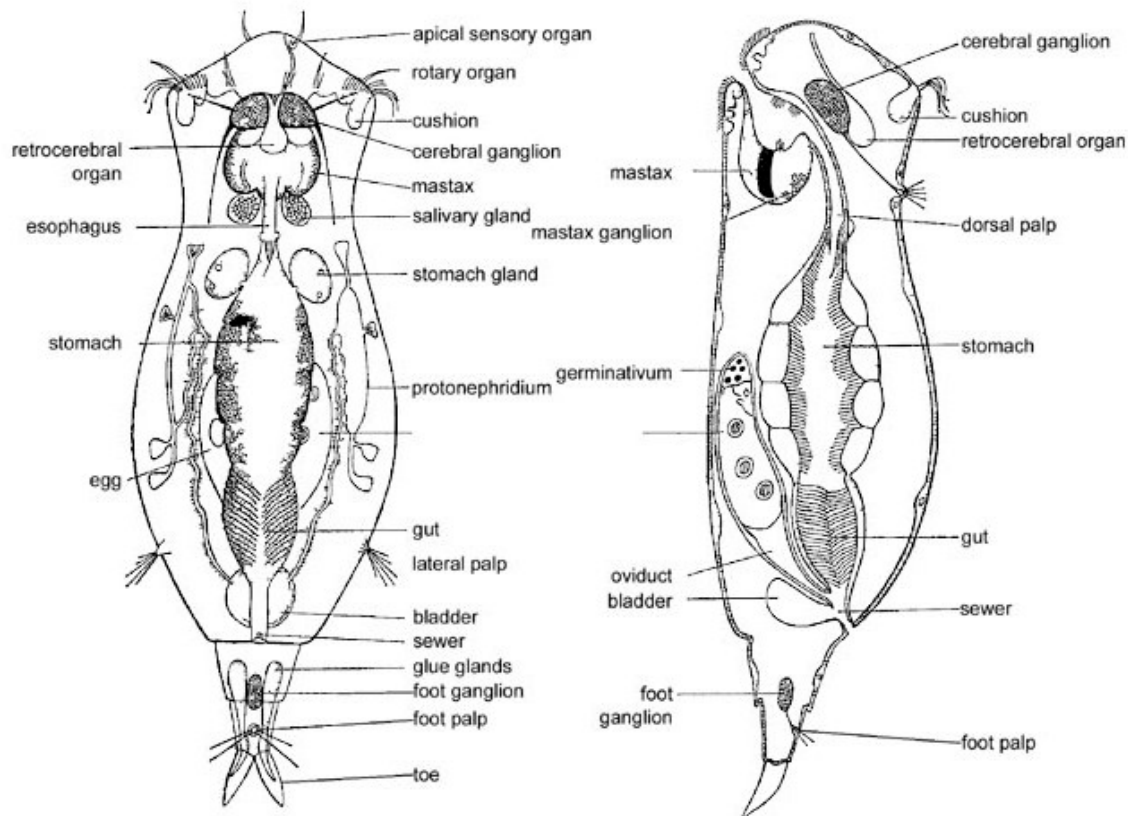


Les plathelminthes

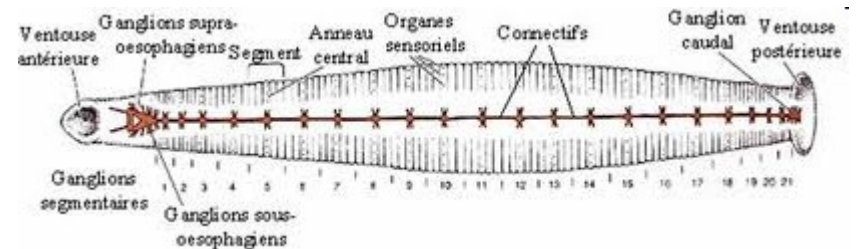
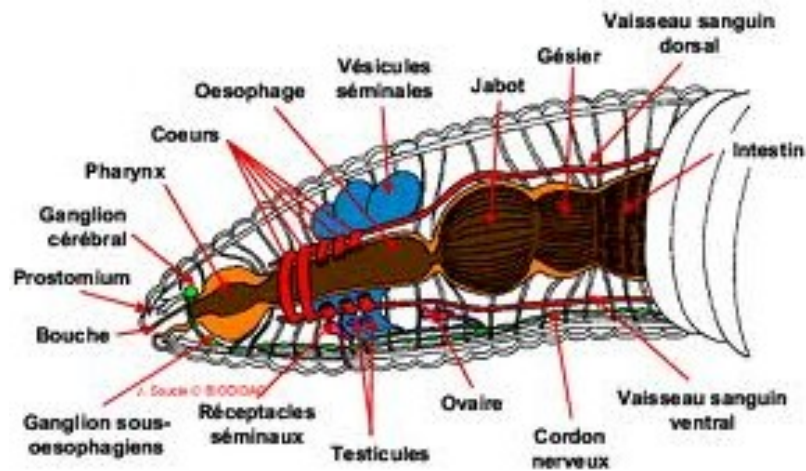


Anatomie d'une Planaire.

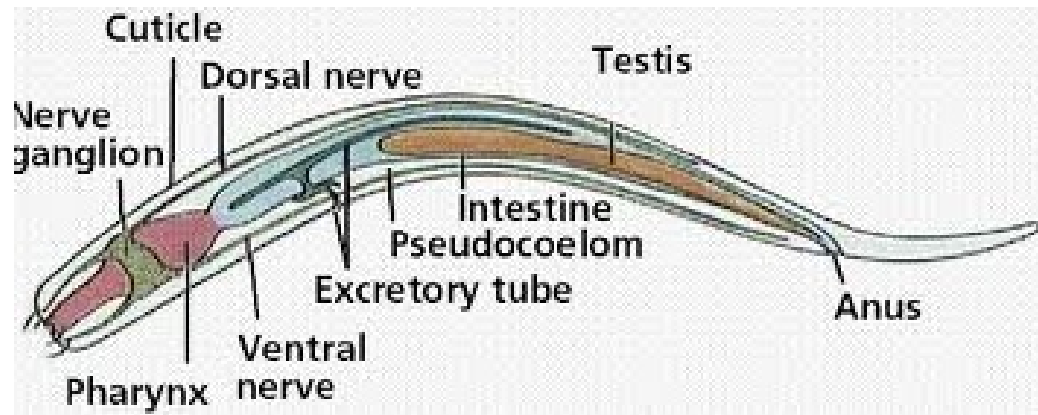
Les gastrotriches



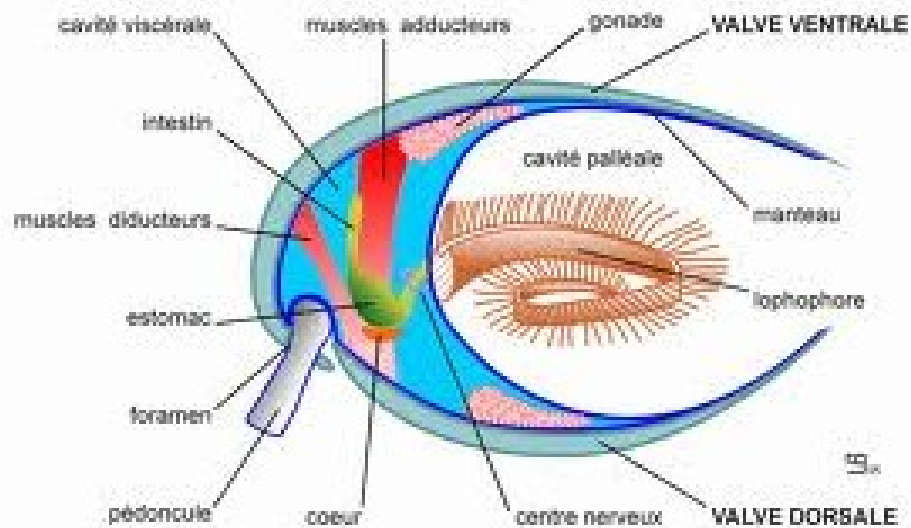
Les annélides



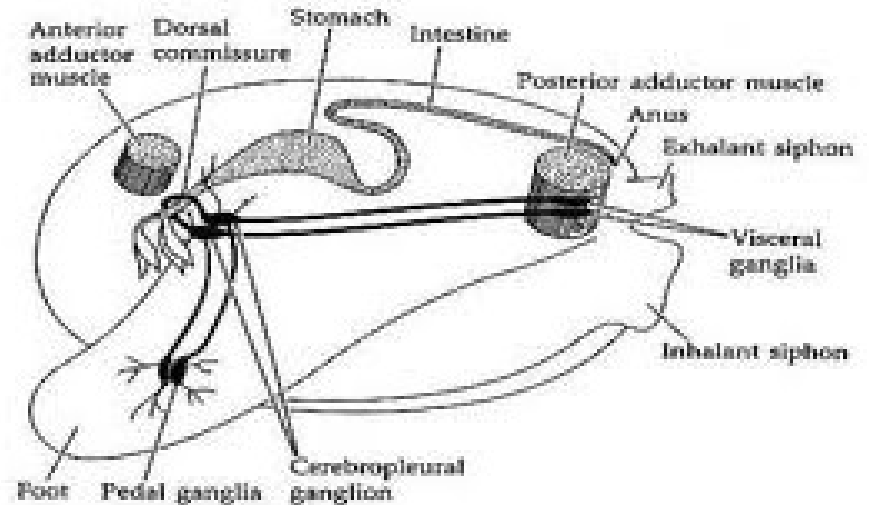
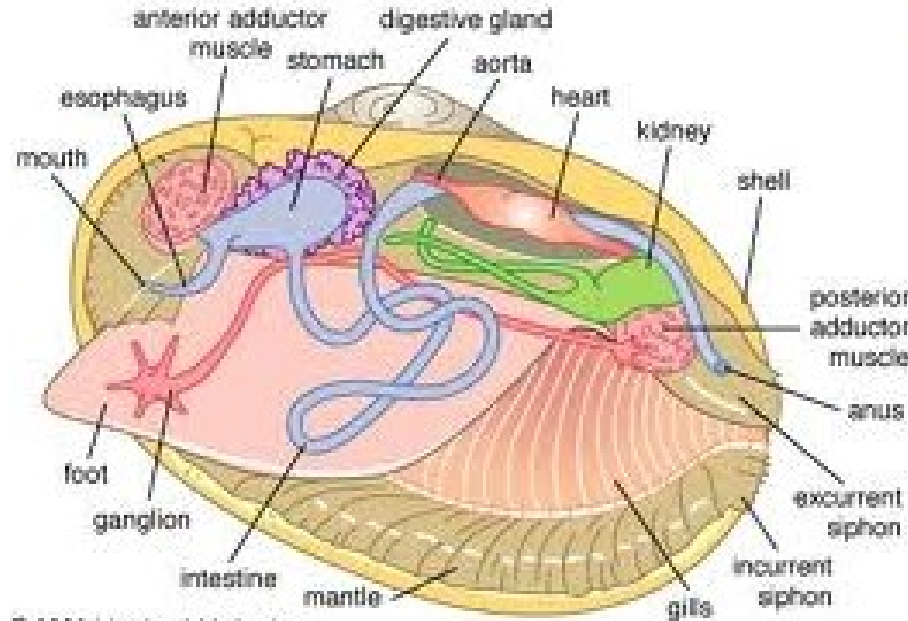
Les nématodes



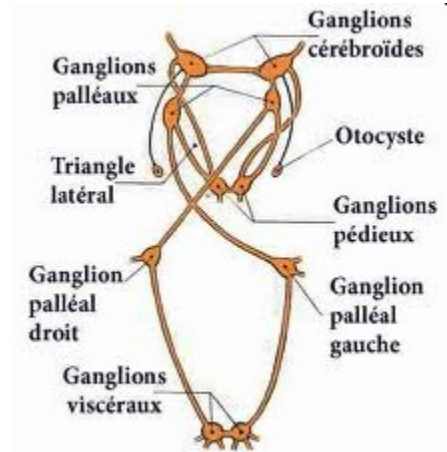
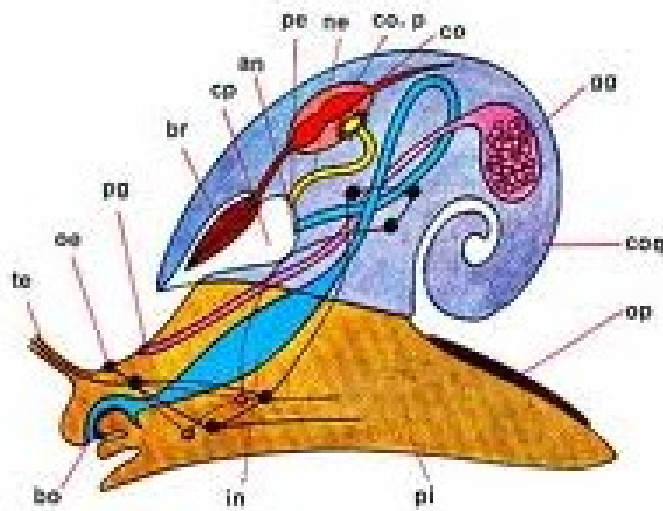
Les brachiopodes



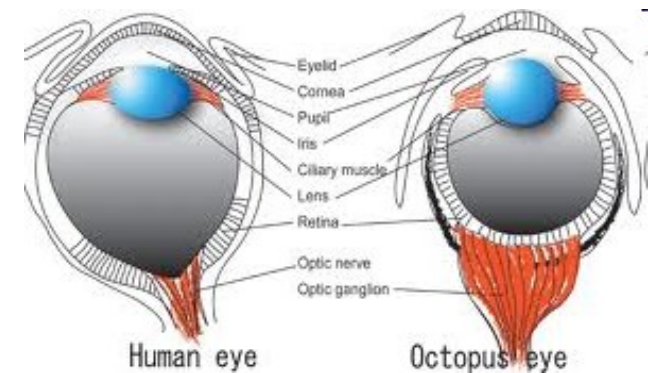
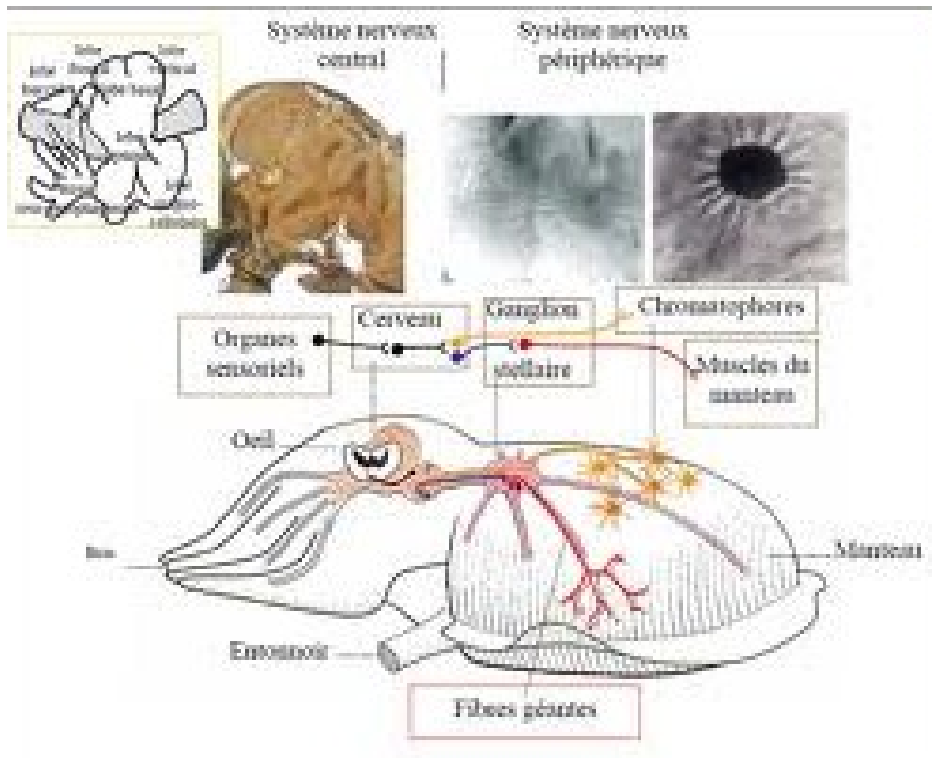
Les mollusques bivalves



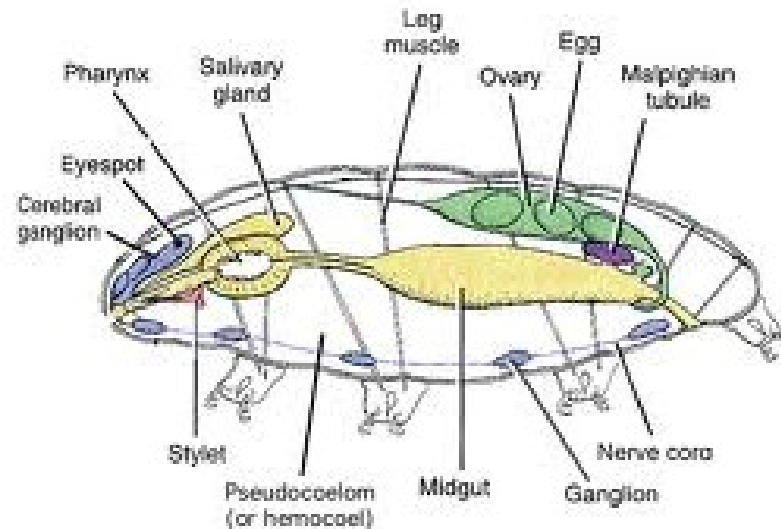
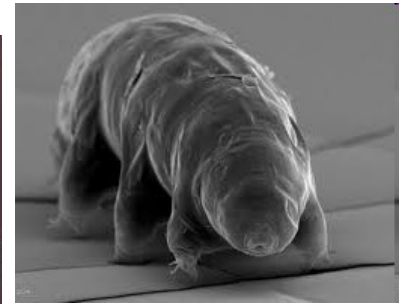
Les mollusques gastéropodes



Les mollusques céphalopodes



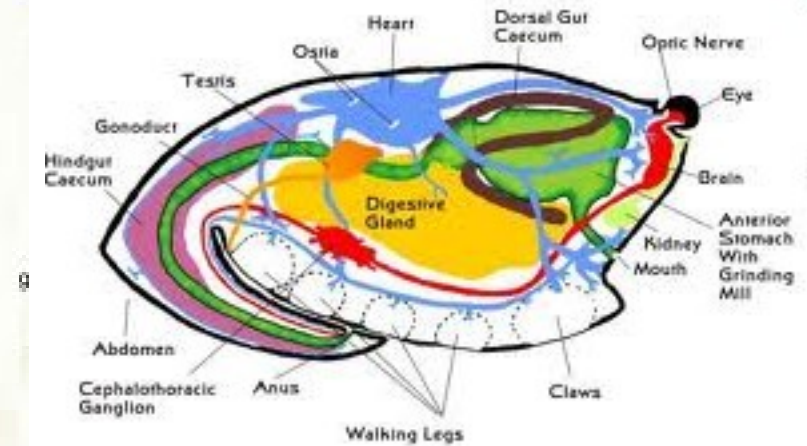
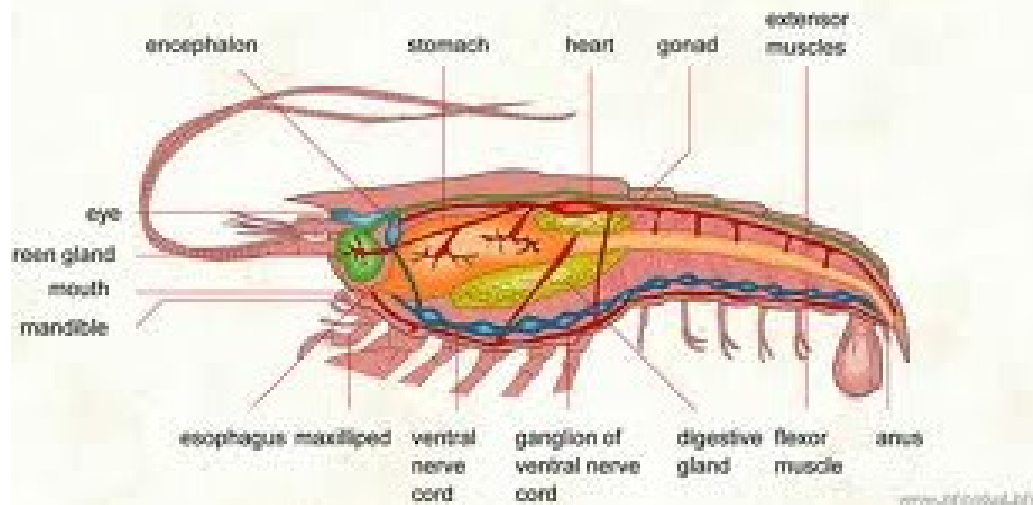
Les tardigradés



Les arthropodes: crustacés

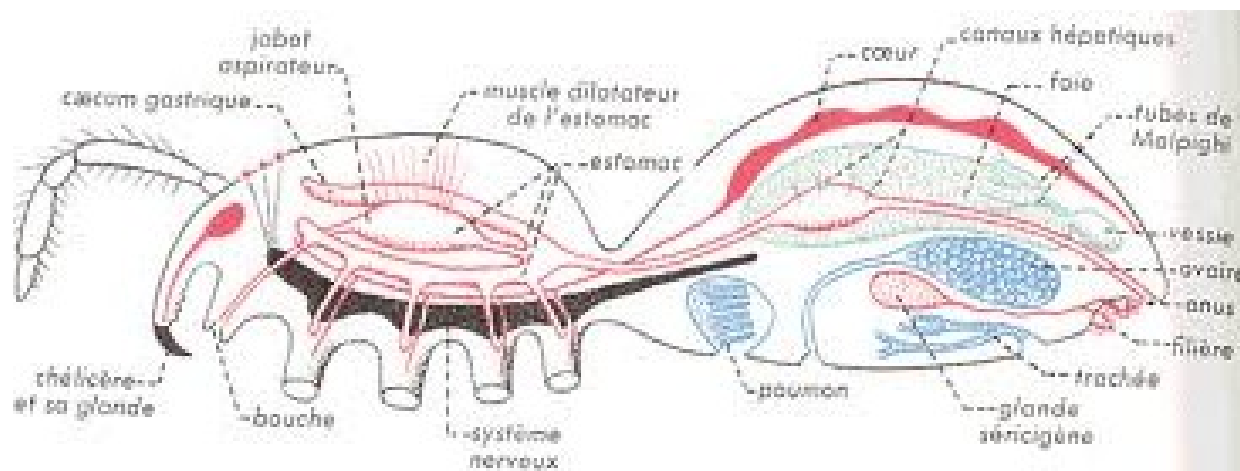


INTERNAL ANATOMY OF A CRAYFISH

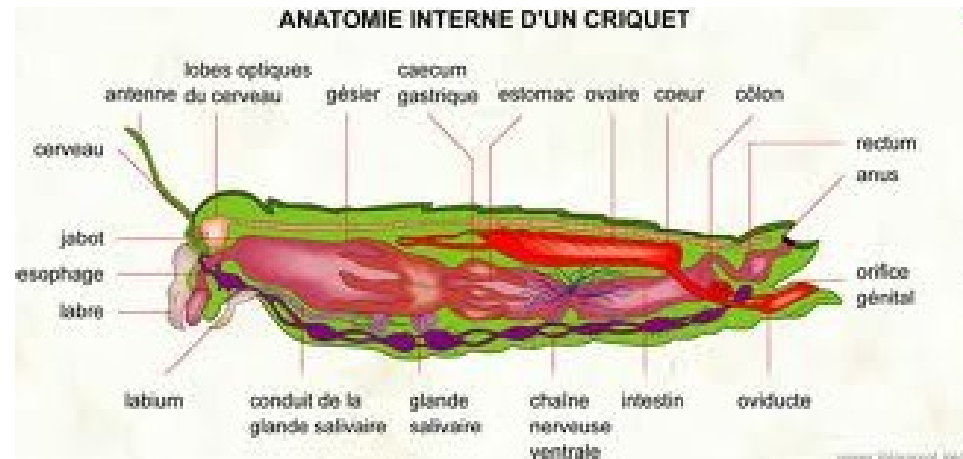


Crabe

Les arthropodes: arachnides



Les arthropodes: insectes



Les interactions humains/ invertébrés

- La consommation (miel, coquillages, crustacés, soie)
- Agriculture (pesticides, lutte biologique, labour)
- Protection des animaux (vermifuges, anti-poux, anti-tiques, antipuces, sangsues)
- Test toxicologique (daphnies, lombrics)
- Recherche (mouche drosophile, axone de calmar,
- Nettoyage (aspirateur, traitement anti-vers de farine, anti-fourmis, anti-guêpes...)
- Transport (heurts d'insectes, nettoyage des coques de bateaux...)
- Loisir (marcher/s'asseoir dans l'herbe, traitement de l'eau des piscines, tondre la pelouse)