



Analyse des polluants dans l'environnement



Qualité biologique des cours d'eau

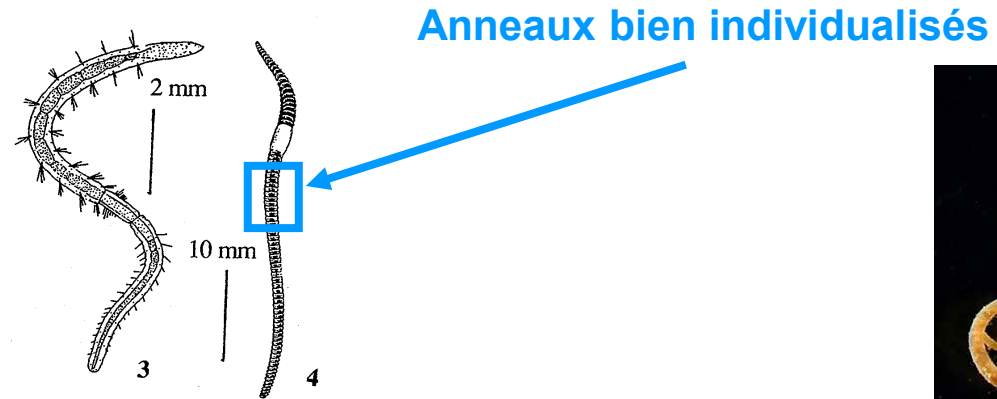
Méthode d'appréciation intégrée



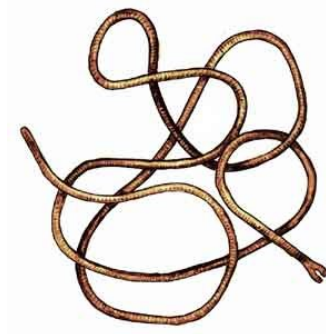
Pascal Mulattieri
Biol'Eau Sàrl

➤ «Vers»

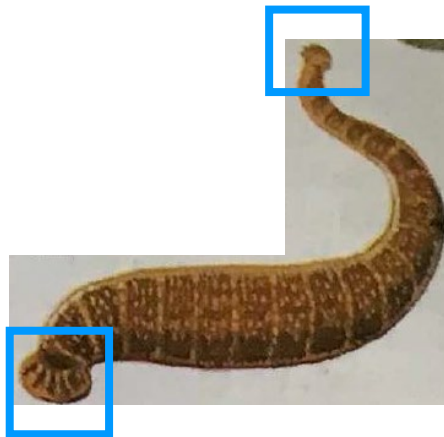
- Oligochètes



- Némathelminthes



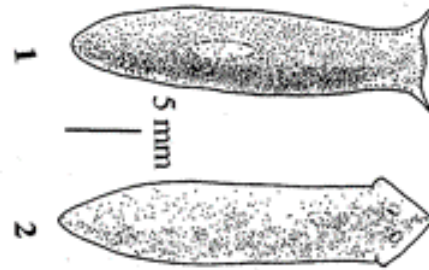
➤ Sangsues (achètes)



Présence de 1 ou 2 ventouses



➤ Planaires (Plathelminthes)



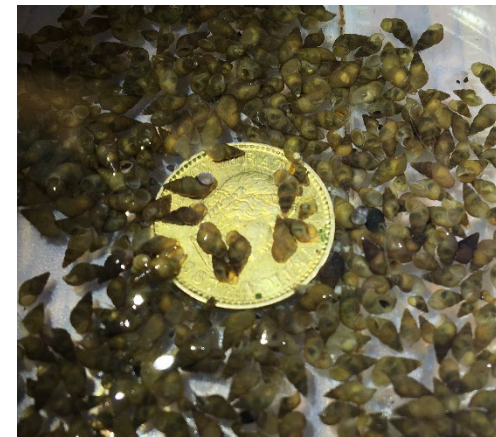
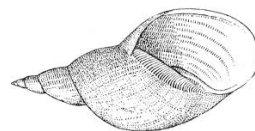
➤ Crustacés

- Gammaridae
- Asellidae



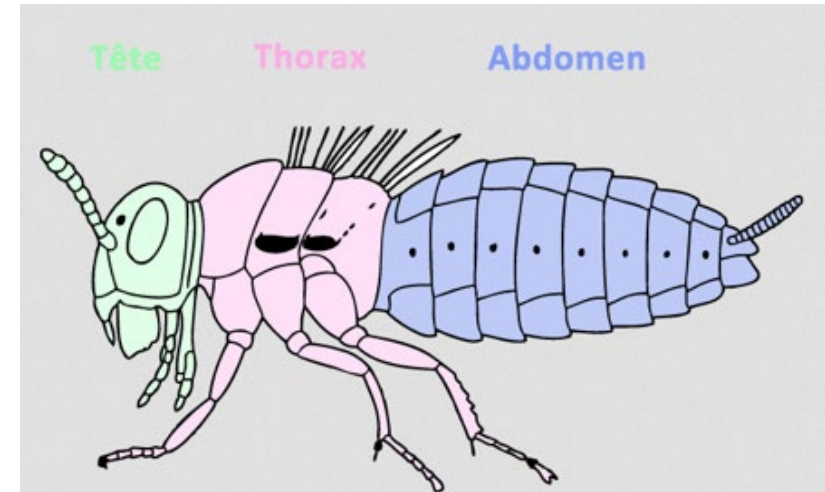
➤ Mollusques

- Bivalves
- Gastéropodes



Insectes au stade adulte:

- Corps constitué de tête, thorax, abdomen
- 3 paires de pattes fixés sur les 3 segments du thorax



En milieu aquatique

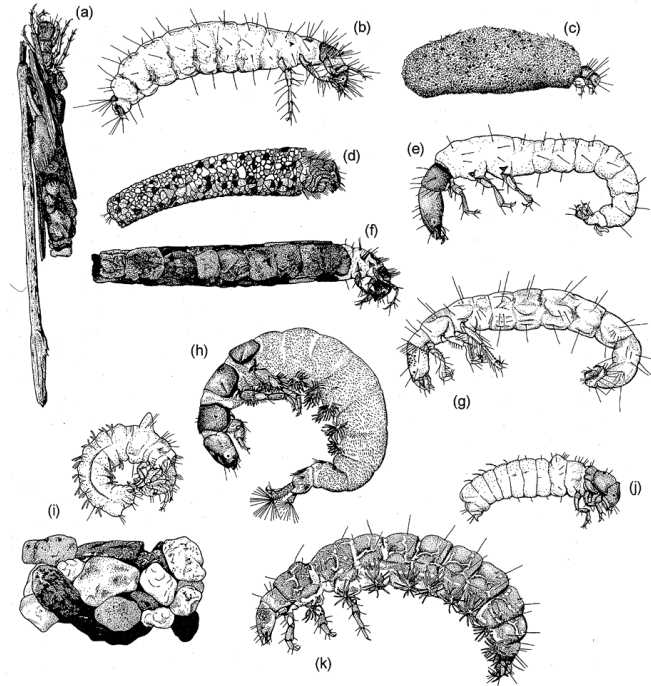
- Présence d'adulte dans certains groupe
- Majorité de **larves**



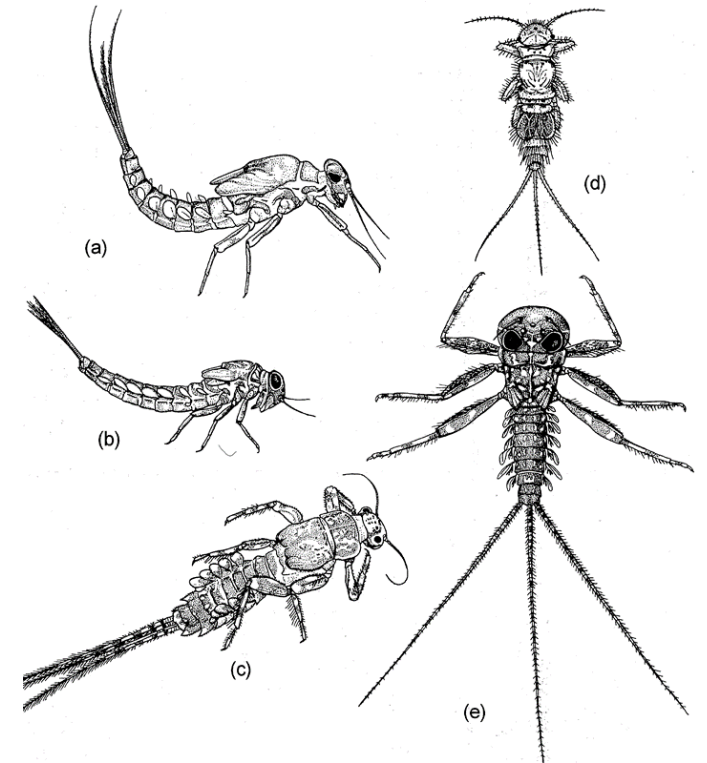
Certaines larves sont «semblables» aux adultes:



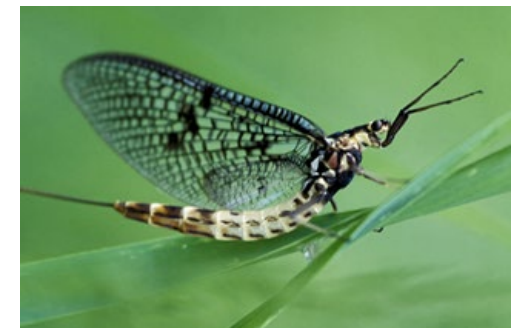
Plécoptères



Trichoptères

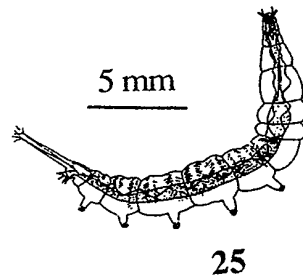
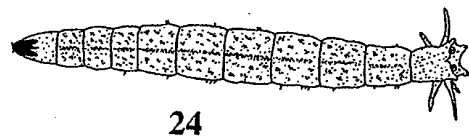
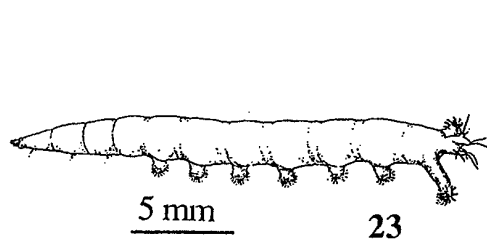
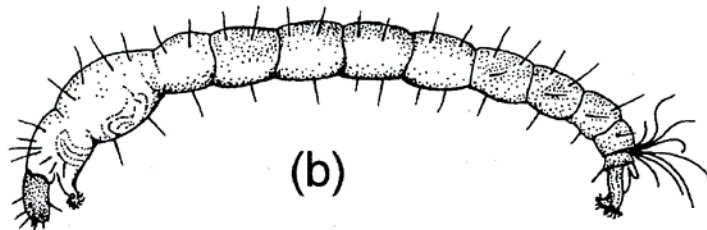
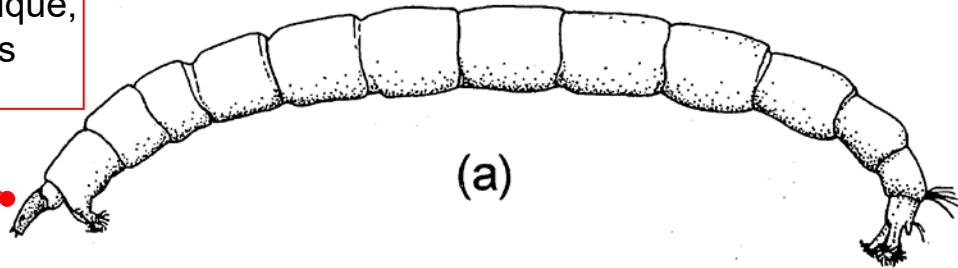


Ephéméroptères

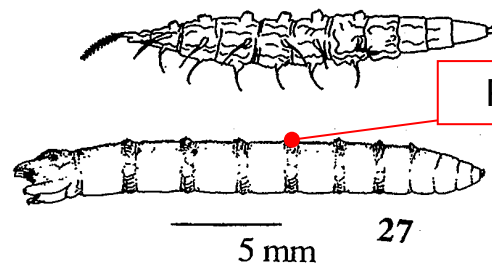


Certaines larves sont très différentes des adultes comme les diptères:

Capsule céphalique,
yeux simples



28



Pseudopodes

29

1 mm

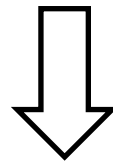
Adulte aérien



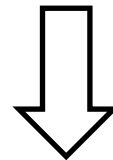
Larve

Documents pour la détermination

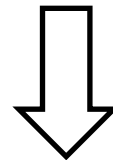
Clé simplifiée Clé des larves d'insectes



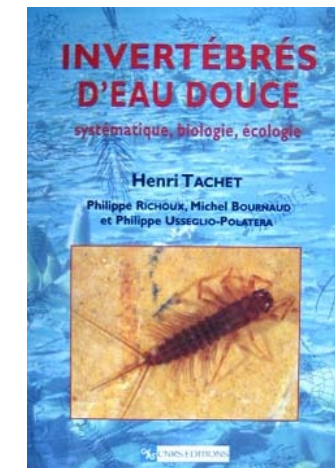
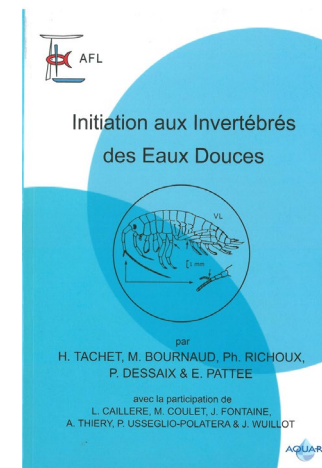
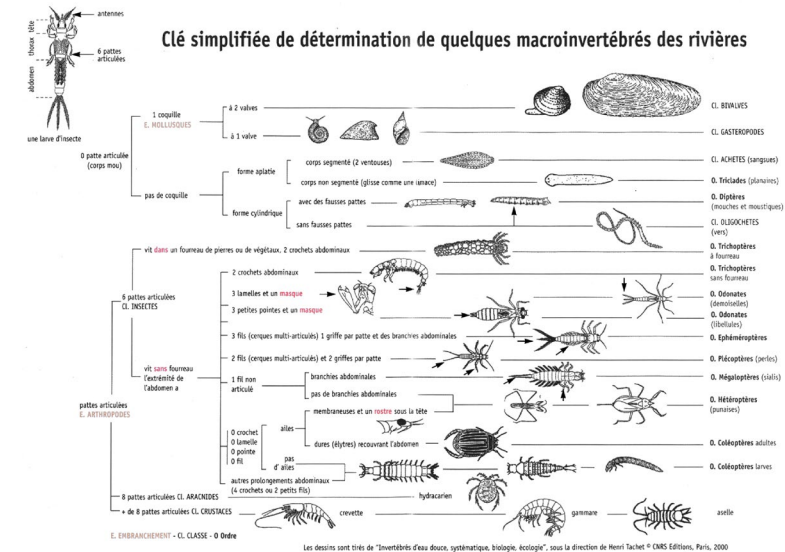
Ordre (O.)



Initiation aux invertébrés des eaux douces



Famille (F.)



Embranchement (E.)

Classe (C.)

Ordre (O.)

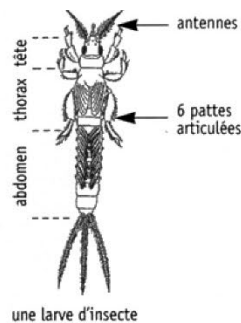
Famille (F.)



Objectifs pour 90 % des taxons

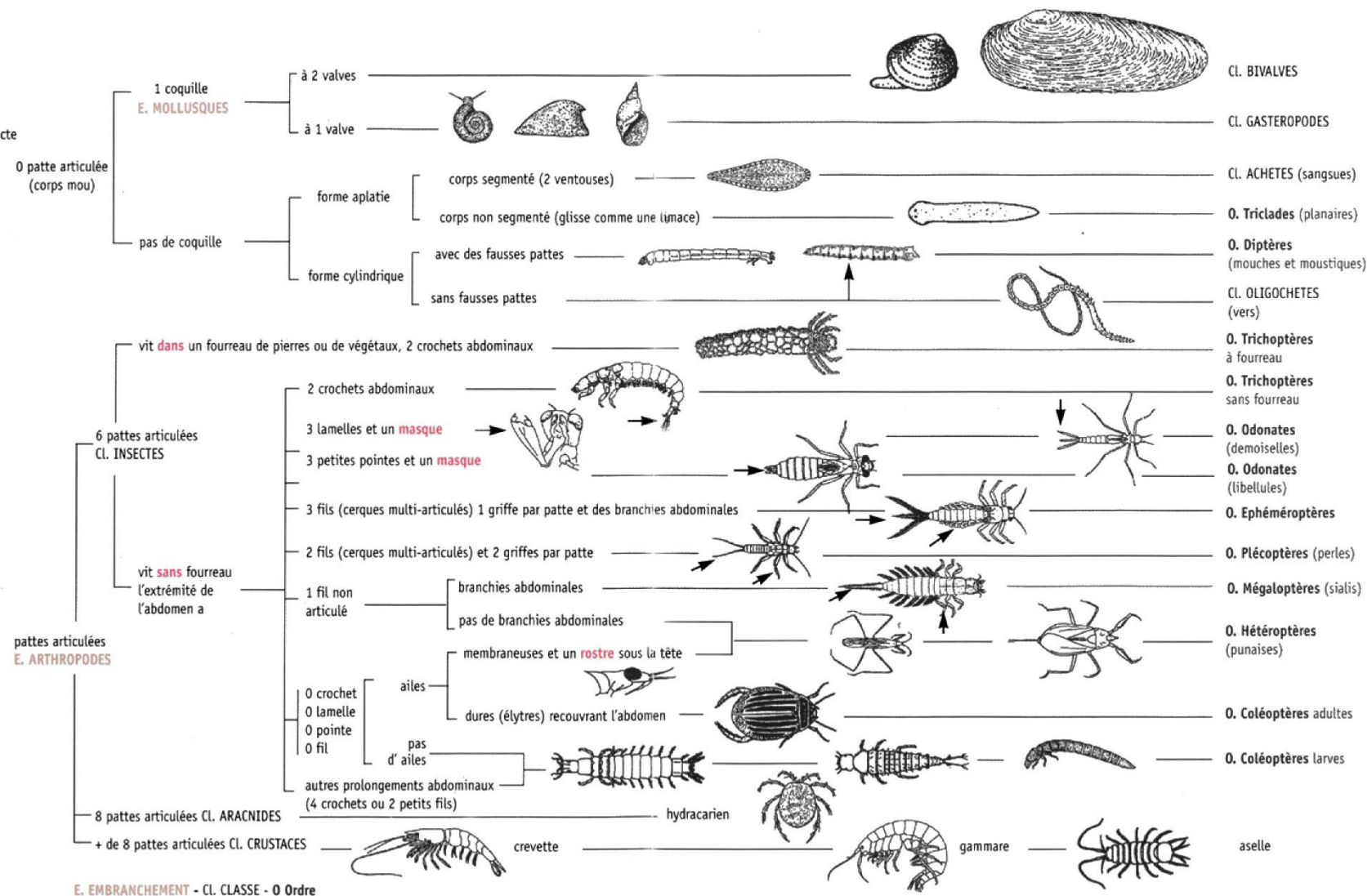
Genre (g.)

Espèce (sp.)



une larve d'insecte

Clé simplifiée de détermination de quelques macroinvertébrés des rivières



18.C1

Trichoptères

