

# Macroinvertebrate Dichotomous Key

1.a. Animal has a hard shell and looks like a clam.....Bivalvia



b. no shell .....2

2. a. Has 4 pairs of legs .....Decapoda (Crayfish)



b. Does not have 4 legs .....3

3.a Wing or wing pads are present.....4



b. wings or wing pads absent.....8

4.a. Mouth parts form a beak shape (used for sucking and piercing) ..... Hemiptera



b. Not beak shaped (used for chewing).....5

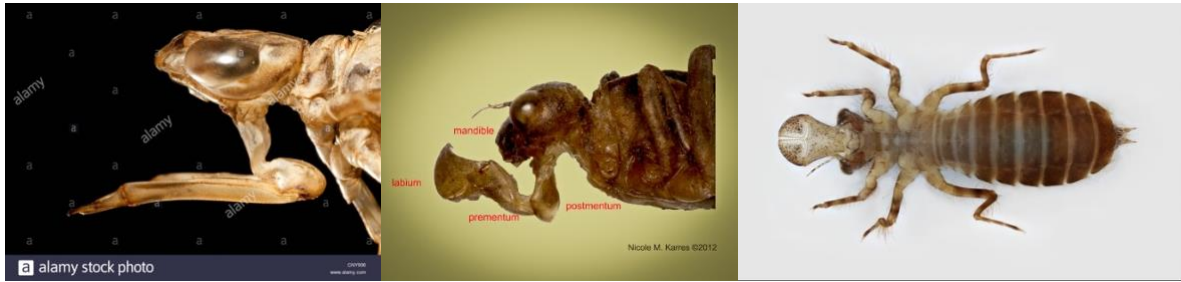


5.a. Hard, leathery wings covering whole body except head..... Coleoptera (adult Beetle)



b. no wings .....6

6.a. mouth like a spoon, scoop-shaped, hinged.....Odonata (dragonflies, damselflies)



b. not as above .....7

7.a. Feathery gills on sides of body, 3 filaments (hair like) at end of body..... Ephemeroptera (Mayfly)



b. no gills on body, 2 filaments..... Plecoptera



8.a. No legs, maggot-like.....Diptera (True Flies)



b. With jointed legs.....9



Figure 5 - Leg of *Duberaphia* sp. larvae (Elmidae)

9.a. Abdomen with many short finger-like abdominal gills.....Trichoptera



b. no finger-like gills.....Coleoptera (Beetle larvae)



## Image References:

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