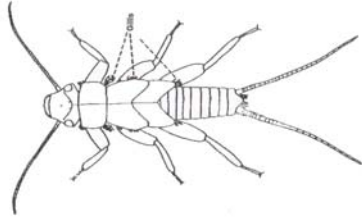
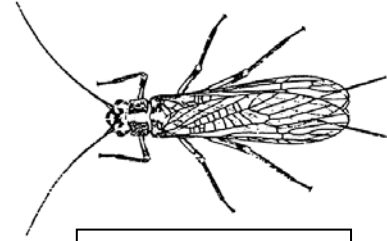


# A KEY TO THREE AQUATIC INSECTS IN STREAMS OF THE SIERRA FOOTHILLS

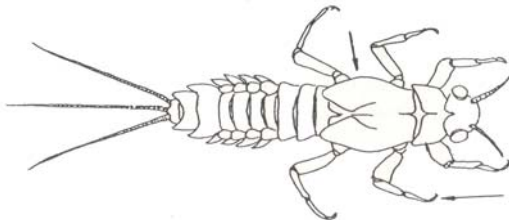
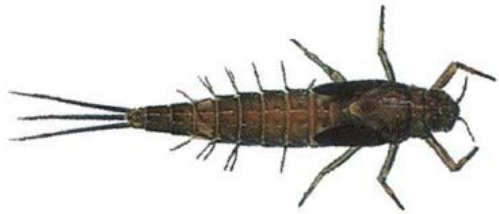
- 1a.** If the object looks like a shell, a tube or a “house,” then ..... **go to 2**  
**1b.** If the object looks like an animal (with moving parts like legs, wings or gills), then ..... **go to 3**
- 2a.** If an animal is in the “house” and has jointed legs, then it is a ..... **Caddisfly larva**  
**2b.** Even if no animal can be seen inside the “house,” then it may be a ..... **Caddisfly larval case**
- 3a.** If the animal has tails at the end of its body, then ..... **go to 4**  
**3b.** If the animal has no tails then ..... **go to 9**
- 4a.** If it has two tails, then ..... **go to 5**  
**4b.** If it has three tails, then ..... **go to 8**
- 5a.** If it has no wings, then ..... **go to 6**  
**5b.** If it has wings, then ..... **go to 7**
- 6a.** If it has flat shaped gills on each side of most abdominal segments, then it is a ..... **Mayfly nymph**  
**6b.** If it has no gills or only threadlike gills on a few abdominal segments, then it is a **Stonefly nymph**
- 7a.** If it has 1 or 2 pair of upright wings like little sails, then it is a ..... **Mayfly adult**  
**7b.** If it has 4 long wings lying flat over its body, then it is a ..... **Stonefly adult**
- 8a.** If it has no wings, then it is a ..... **Mayfly nymph**  
**8b.** If it has 1 or 2 pair of upright wings like little sails, then it is a ..... **Mayfly adult**
- 9a.** If it has three pairs of jointed legs, then ..... **go to 10**  
**9b.** If it has no jointed legs but zero to several pairs of not jointed appendages, then ..... **go to 15**
- 10a.** If it has wings, then ..... **go to 11**  
**10b.** If it has no wings, then ..... **go to 12**
- 11.** If it has speckled wings folded in a tent-shape  $\wedge$  over its body, then it is a ..... **Caddisfly adult**
- 12a.** If it has a pair of small hooks on the end of its abdomen, and with or without numerous hair-like gills on its abdomen, then it is a ..... **Caddisfly larva**



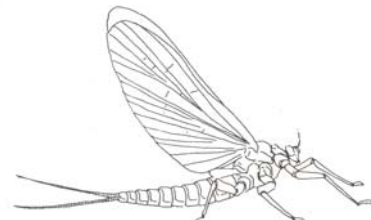
Stonefly Larva



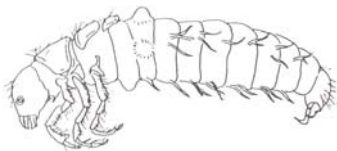
Stonefly Adult



Mayfly Larva



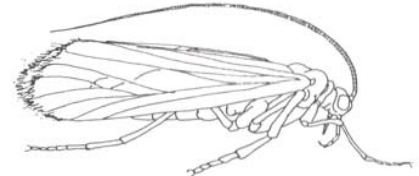
Mayfly Adult



Caddisfly Larva



Caddisfly Larval Cases



Caddisfly Adult