# Common Orders of Insects

and Classes or Orders of a few other Garden Inhabitants

Label with Order/suborder name. 1-point each. Extra credit for optional samples.  
Revised 2014

<table>
<thead>
<tr>
<th>PHYLUM</th>
<th>CLASS</th>
<th>ORDER</th>
<th>DESCRIPTION - EXAMPLES</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>REQUIRED</strong></td>
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<tr>
<td>Arthropoda</td>
<td>Insecta</td>
<td>1. <strong>Lepidoptera</strong></td>
<td>Four wings with scales - butterflies &amp; moths</td>
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<td></td>
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<td>2. <strong>Diptera</strong></td>
<td>Two wings (Greek for Two wings) - flies, mosquitoes, gnats, midge</td>
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<td>3. <strong>Coleoptera</strong></td>
<td>Hard outer wings form straight line - beetles, weevils</td>
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<td>4. <strong>Hymenoptera</strong></td>
<td>Four membranous wings - bees, ants, wasps, sawflies</td>
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<td><strong>Hemiptera</strong></td>
<td>5. <strong>Sub-order Heteroptera</strong>: Half wing - triangle on back - true bugs</td>
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<td>6. <strong>Sub-order Homoptera</strong>: Wings held tentlike over body - mealy bugs, aphid, cicadas, leafhopper, scale</td>
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<td>7. <strong>Orthoptera</strong></td>
<td>Elongated hind legs, fanlike under wings - grasshopper, cricket</td>
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<td>8. <strong>Odonata</strong></td>
<td>Four membranous wings, nymph stage aquatic - dragonfly, damselflies</td>
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<td><strong>OPTIONAL</strong></td>
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<td></td>
<td></td>
<td><strong>Blattodea</strong></td>
<td>Cockroach</td>
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<td></td>
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<td><strong>Mantodea</strong></td>
<td>Praying mantis</td>
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<td><strong>Dermaptera</strong></td>
<td>Earwig</td>
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<td><strong>Thysanura</strong></td>
<td>Silverfish, thrips</td>
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<td><strong>Isoptera</strong></td>
<td>Termite</td>
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<td></td>
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<td><strong>Neuroptera</strong></td>
<td>Lacewing, ant lion</td>
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<td><strong>Phasmida</strong></td>
<td>Walking stick</td>
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<td></td>
<td><strong>Arachnida</strong></td>
<td>Spiders</td>
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<td><strong>Malacostraca</strong></td>
<td>Sowbugs, pillbugs</td>
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<td></td>
<td></td>
<td><strong>Chilopoda</strong></td>
<td>Centipedes</td>
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<td></td>
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<td><strong>Diplopoda</strong></td>
<td>Millipedes</td>
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<td><strong>Mollusca</strong></td>
<td>Gastropoda</td>
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<td>Slugs, snails</td>
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</tbody>
</table>

Insect collection by Mentor Group to include one sample of Orders 1-8 and sub-orders for 5 & 6 labeled. Real bugs preferred.