


1 Wings absent or if present hidden beneath thick, sometimes hard and shiny, sometimes leathery, front wings, or wing coverings (Be careful here. If there's a crack down the back, probably that's where the <i>front wings or wing coverings</i> meet and there are regular flying wings folded below...)		Go to... 7
1 Wings clearly visible when the insect is at rest		2
2 Butterflies & moths; mouthparts consisting of coiled tubes for sucking; wings covered with tiny colored scales 		LEPIDOPTERA; butterflies & moths
2 Not butterflies & moths; mouthparts not coiled tubes; wings not covered with tiny colored scales		3
3 One <i>pair</i> of wings 		DIPTERA; flies
3 Two <i>pairs</i> of wings		4
4 Front wings longer and with considerably larger surface area than hind wings		5
4 Front wings with about the same area as hind wings		6
5 Wasps and bees; tarsi ("feet") 5-jointed, usually thin-waisted 		HYMENOPTERA; wasps & bees
5 Not wasp or bees; tarsi 2- or 3-jointed, waist usually thick 		HOMOPTERA; cicadas, aphids
6 Antennae short stubs, compound eyes very large, body slender 		ODONATA; dragonflies
6 Antennae hairlike, eyes not particularly large, thick-bodied 		ISOPTERA; termites
7 Wings entirely absent		8
7 With wings, though they may be hidden beneath a wing covering		12
8 Bodies narrow-waisted, antlike 		HYMENOPTERA (worker ants, etc.)
8 Bodies thicker		9
9 Egg-shaped, rear end usually equipped with 2 short tubes (aphids) 		HOMOPTERA; cicadas, aphids

<p>9 Bodies more slender shaped, rear end without 2 short tubes (not aphids)</p>	<p>10</p>
<p>10 Most of body whitish, soft-bodied (termites) </p>	<p>ISOPTERA; termites</p>
<p>10 Most of body not whitish, usually hard-bodied</p>	<p>11</p>
<p>11 Antennae with 4 or 5 segments, mouth parts sucking </p>	<p>HEMIPTERA; true bugs</p>
<p>11 Antennae with many segments, mouth parts chewing </p>	<p>ORTHOPTERA; grasshoppers, crickets</p>
<p>12 Rear end (abdomen) with tweezerlike appendages </p>	<p>DERMAPTERA; earwigs</p>
<p>12 Rear end without tweezers-like appendages</p>	<p>13</p>
<p>13 Mouth parts sucking, usually straw-like</p>	<p>14</p>
<p>13 Mouth parts for chewing</p>	<p>15</p>
<p>14 Front wings thick (leathery) and often colored at the base, but clear at the tip; beak rises from head's front or bottom </p>	<p>HEMIPTERA; true bugs</p>
<p>14 Front wings of same texture throughout; beak rises from back part of bottom of head </p>	<p>HOMOPTERA; cicadas, aphids</p>
<p>15 Front wings with obvious veins, when at rest the edges over the back often partly overlapping one another, usually not conspicuously hard </p>	<p>ORTHOPTERA; grasshoppers, crickets</p>
<p>15 Front wings without veins, when at rest the edges over the back meeting one another in a straight line, usually hard like thin plastic </p>	<p>COLEOPTERA; beetles</p>