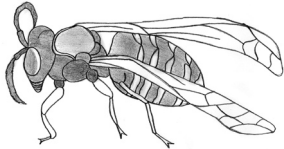

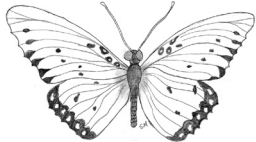
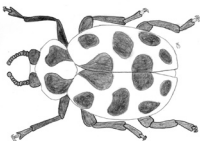
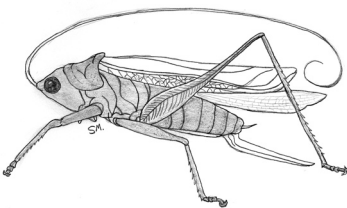

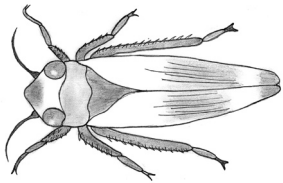


Insect Charades: The Big Eight

	Order	Example Insects	Common Characteristics	Illustration
1	The Membrane Wings (Hymenoptera)	Ants, Bees, Wasps	<ul style="list-style-type: none"> • 2 pairs of clear, membranous wings • Compound eyes • Sponge-like, sucking or biting mouthparts <ul style="list-style-type: none"> • Long legs • Stingers 	
2	The Two Wings (Diptera)	Flies, Mosquitoes, Gnats	<ul style="list-style-type: none"> • 1 pair of regular wings & 1 pair of very small wings • Compound eyes • Sponge-like or sucking mouthparts 	
3	The Scaly Wings (Lepidoptera)	Moths, Butterflies	<ul style="list-style-type: none"> • 2 pairs of scaly wings • Antennae feathery, needle- or pin-like <ul style="list-style-type: none"> • Compound eyes • Sucking mouthparts 	
4	The Sheath Wings (Coleoptera)	Beetles	<ul style="list-style-type: none"> • 1 pair of hard wings • Wings cover top of body & meet in straight line down center of back <ul style="list-style-type: none"> • Biting mouthparts 	
	The Straight Wings (Orthoptera)	Crickets, Grasshoppers, Locusts	<ul style="list-style-type: none"> • 1 pair leathery wings in front (fold over body when not in use) • 1 pair fan-like wings in back • Long legs/ high hopper • Make rhythmic sounds • Chewing mouthparts 	
6	The Toothed Wings “Born with Teeth” (Odonata)	Dragonflies, Damselflies	<ul style="list-style-type: none"> • 2 pairs of wings • Most have thin legs & short antennae • Large compound eyes nearly cover small heads <ul style="list-style-type: none"> • Biting mouthparts 	
7	The Same Wings (Homoptera)	Aphids, Cicadas, Treehoppers, Leafhoppers	<ul style="list-style-type: none"> • Both (2) pairs of wings are same from base to tip • Wings held in tent-like position over body when resting <ul style="list-style-type: none"> • Piercing or sucking mouthparts 	
8	The Half Wings (Hemiptera)	True Bugs, Back swimmers, Water Striders	<ul style="list-style-type: none"> • 2 pairs of wings: thick and leathery near the body & thin at tip <ul style="list-style-type: none"> • Wings fold on back forming a triangle behind the head • Snout on head is used for piercing and sucking 	