Water Quality Survey (Biotic Indicators)

Tally the number of species found in the total sample for a river or pond site (a) and total the number of individuals of each species found (b). Calculate the total score for each species (c) and then the total score for the entire sample (d). Find the average score of an individual found in the sample by dividing this total score by the total number of individuals (e).

A score close to 0 indicates a heavily polluted water course, and a score of 10 indicates a very clean water course.

River name:		Site Number:	
Grid Reference:			

Species	Tally (a)	Total (b)	Score	Total score (c) (= b × score)
Alderfly larva			4	
Bladder snail			3	
Cased caddis fly larva			10	
Caseless caddis fly larva			7	
Cranefly larva			5	
Damselfly nymph			8	
Diving beetle			5	
Dragonfly nymph			8	
Eel			0	
Fly larva			0	
Gnat larva			0	
Great water boatman			5	
Hoverfly larva			0	
Jenkins spire shell			3	
Lake / Freshwater limpet			6	
Leech			3	
Lesser water boatman			5	

Water Quality Survey (Biotic Indicators)

Species (continued)	Tally (a)	Total (b)	Score	Total score (c) (= b × score)
Mayfly nymph			7	
Midge larva			2	
Ostracod			0	
Pea mussel			3	
Phantom cranefly larva			0	
Phantom midge larva			0	
Pond skater			5	
Pond snail			3	
Ramshorn snail			3	
River snail			3	
Scavenger beetle			5	
Shrimp			6	
Stickleback			0	
Stonefly nymph			7	
Water cricket			0	
Water flea			0	
Water hoglouse			3	
Water mite			0	
Whirligig beetle			5	
Worm			1	
	Total no. individuals (e)		Total Sample Score (d)	

