

21S BISC208 Lab 6 – Daphnia Heart Rate Data Collection

Katelyn Brooks

Instructions: Fill out the data tables below with the heart rate data for the three Daphnia in the chemical of your choice. Follow the instructions in the module for how to collect the heart rate data. **Make sure to insert the name of the chemical (ethanol or lidocaine) that you chose to test.**

Table 1. Heart rate data (beats per minute) for Daphnia exposed to **Lidocaine**

	0 min (Spring Water)			15 minutes in chemical			30 minutes in chemical		
	Trial #1	Trial #2	Trial #3	Trial #1	Trial #2	Trial #3	Trial #1	Trial #2	Trial #3
Daphnia #1	116	107	97	95	86	98	79	78	68
Daphnia #2	110	92	111	70	71	68	46	44	45
Daphnia #3	105	95	89	98	96	83	64	60	75

Table 2. Mean heart rates (beats per minute) of Daphnia exposed to **Lidocaine**

	0 min (Spring Water)	15 minutes in chemical	30 minutes in chemical
Daphnia #1	107	93	75
Daphnia #2	104	70	45
Daphnia #3	96	92	66