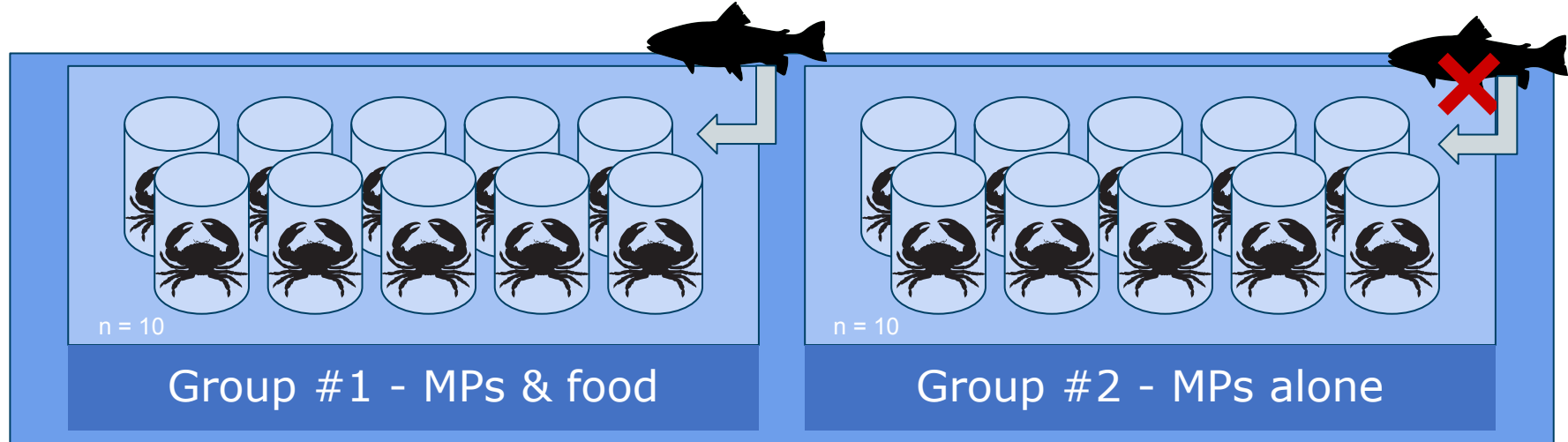


Ingestion of Common Microplastics by *Hemigrapsus oregonensis*

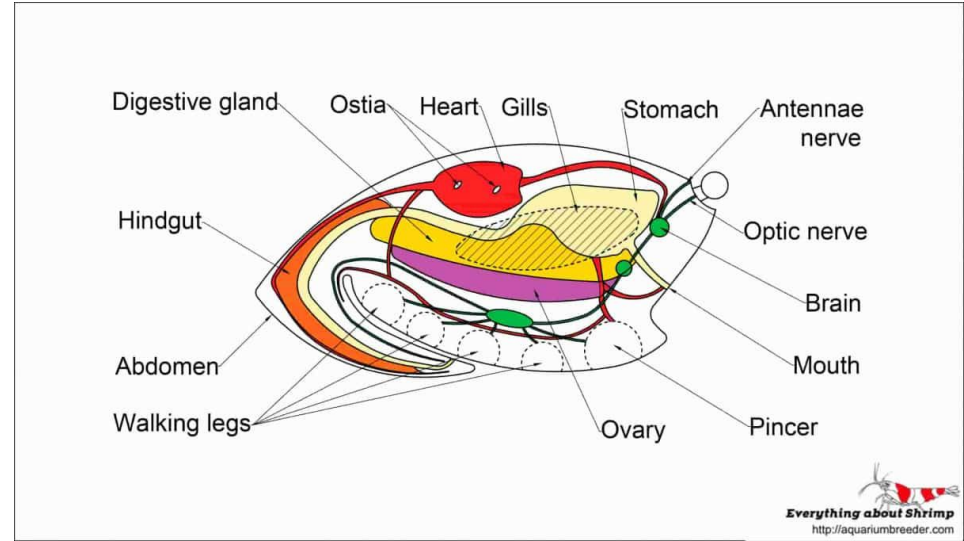
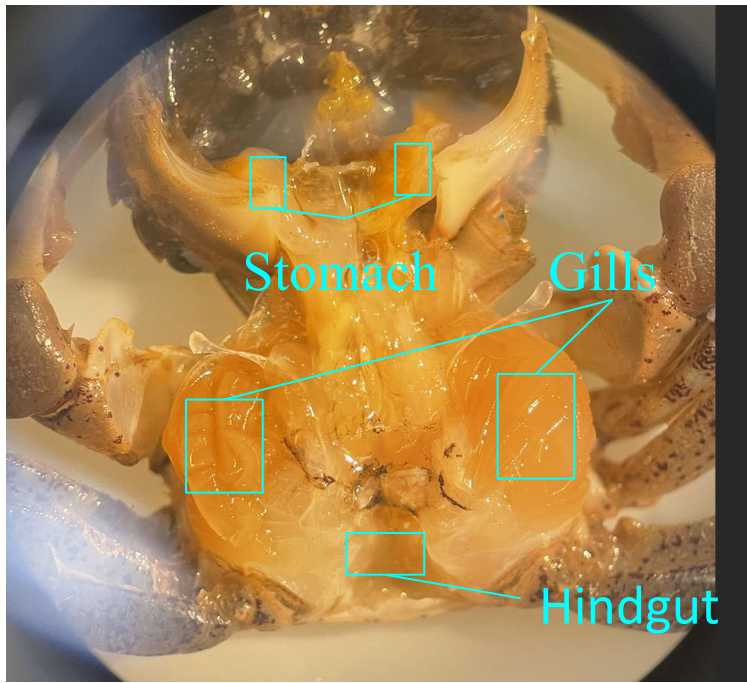
Do microplastics impact oxygen uptake in hairy shore crabs and/or accumulate in their gills and tissues?

H (0): No impact of oxygen uptake and microplastics will not accumulate

H (a): Decreased oxygen uptake and microplastic accumulation in gut and gills



Jarred crabs in two groups, microplastics scented with oyster material before feeding. End of study dissections to locate microplastic accumulation, blood assays to test lactate, BCA protein.



No plastics found in either groups:
BCA and lactate will be compared with t-test
to control groups.

88 percent mortality in fed group (1 survivor)
Will use BCA and lactate levels as a
discussion point, without significance