

How to Draw a Zoea

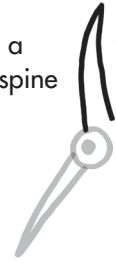
1. Draw the eye



2. Add the rostral spine



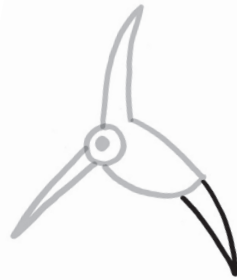
3. Add a dorsal spine



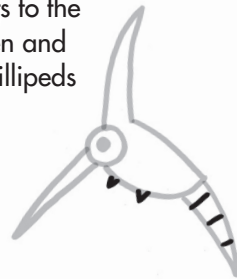
4. Add the carapace



5. Add the abdomen



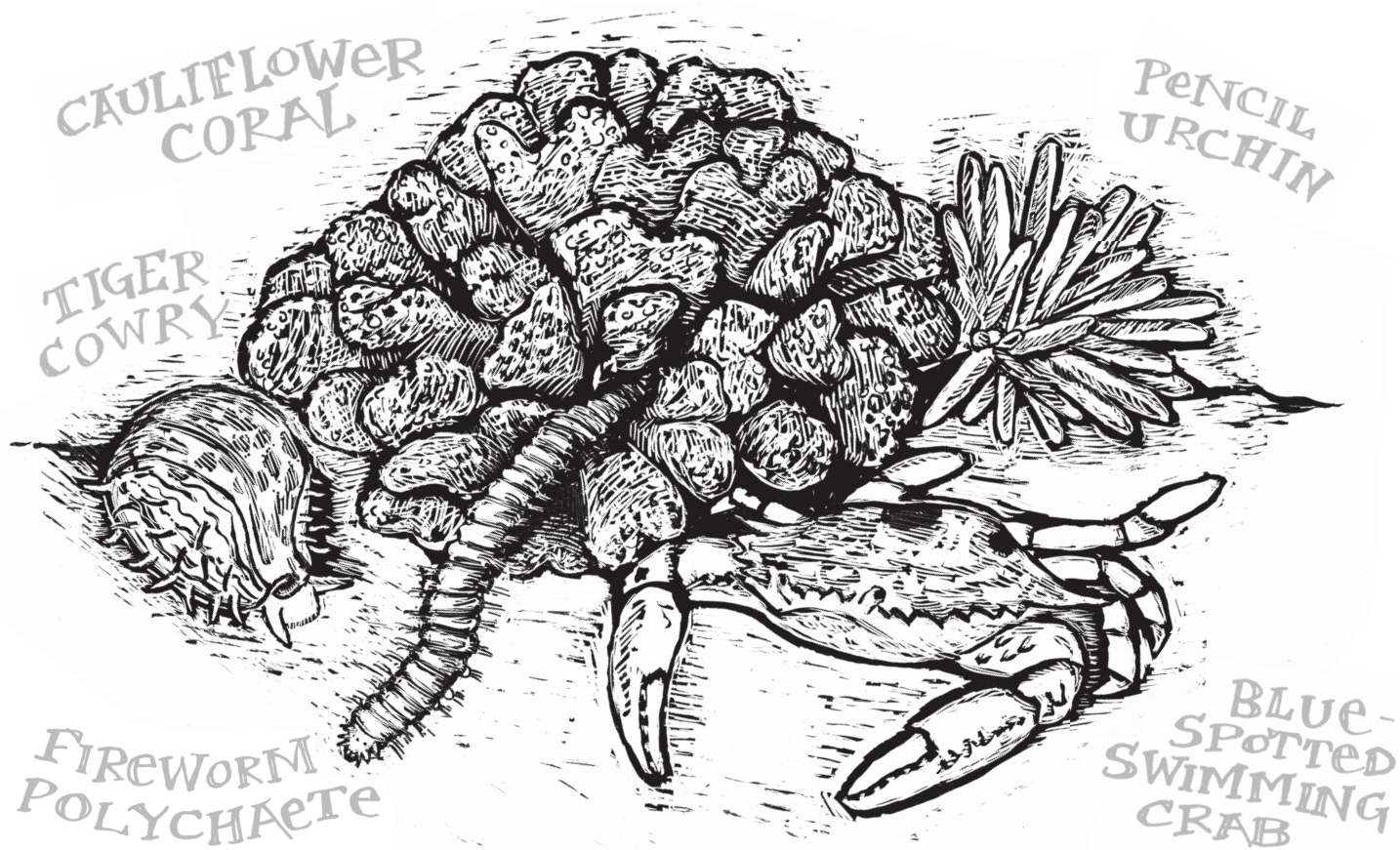
6. Add the segments to the abdomen and the maxillipeds



7. Add details to the telson and the maxillipeds

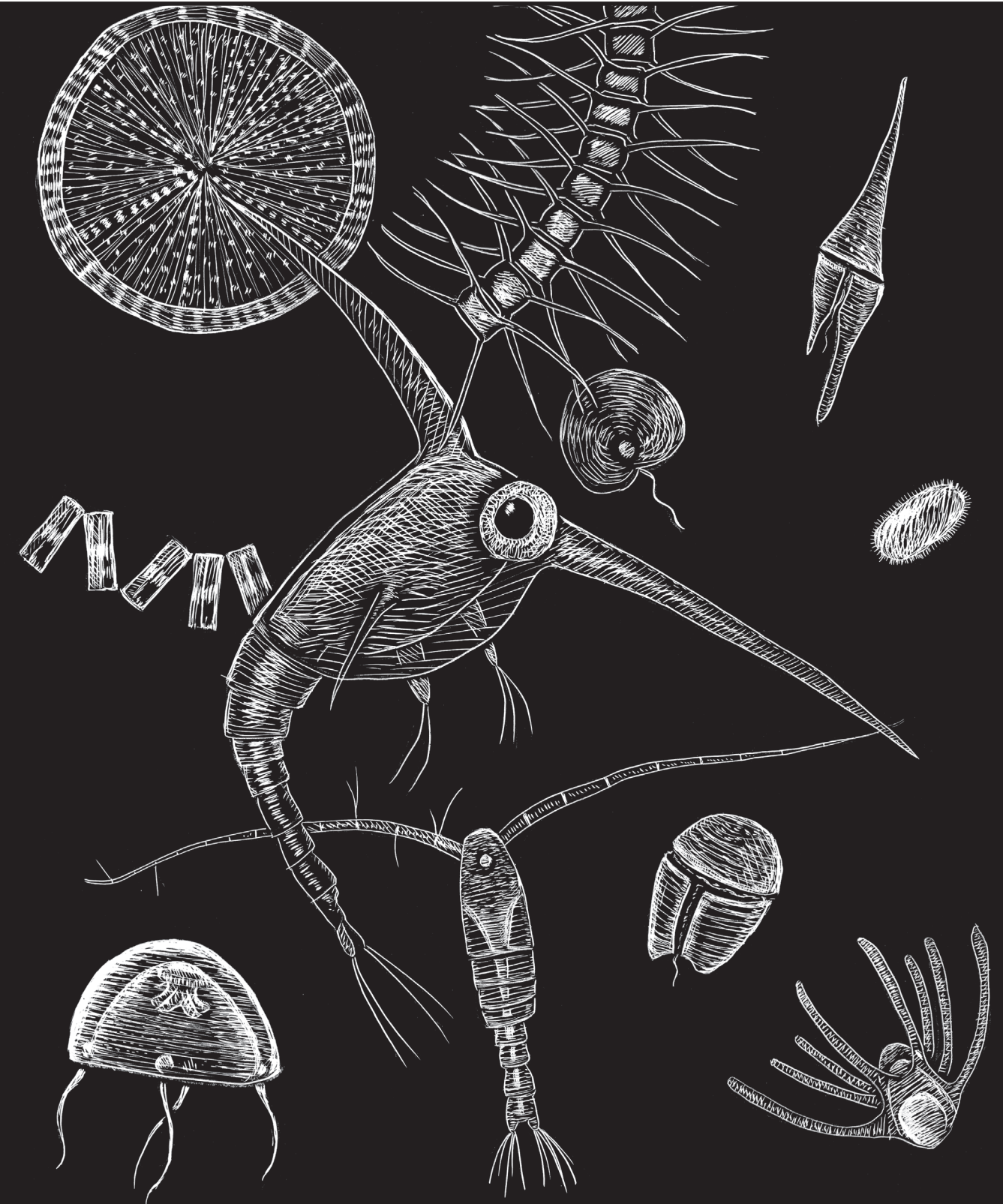


Color the adult Hawaii Coral Reef animal to match its meroplankton larval stage.



ARTSCIPÆDIA

PLANKTON



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An art + science approach to understanding nature.

COLOR the PHYTOPLANKTON

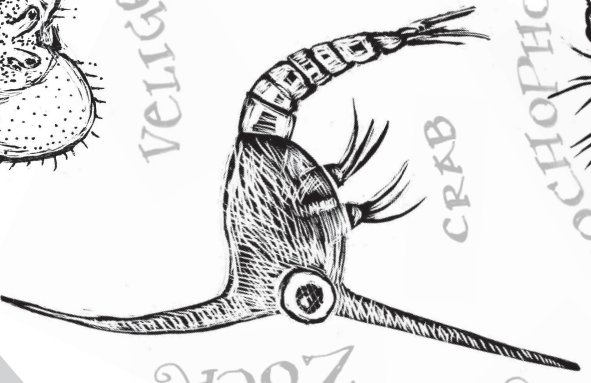
DIATOMS can drift in colonial chains or float as individuals. Their cell wall is like glass, so the gold-green chlorophyll pigments inside are clearly visible. [*diatomos* = cut in two]

DINOFLAGELLATES spiral through water. They are typically gold-brown. Some can even bioluminesce blue-green light. [*dinos* =whirling, *flagellum* = small whip]

marine **PLANKTON** drift in the sea, traveling with ocean currents. They are microscopic but very abundant. Almost all sea life spend time as plankton, eat plankton, or both. This artscipaedia describes the four major plankton groups. They are shown much bigger than actual size, and not to scale. [*planktos* = wandering]



COMB JELLY



ZOEA



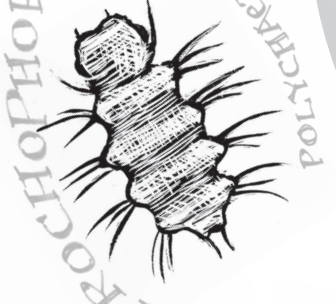
CORAL



PLANULA



URCHIN



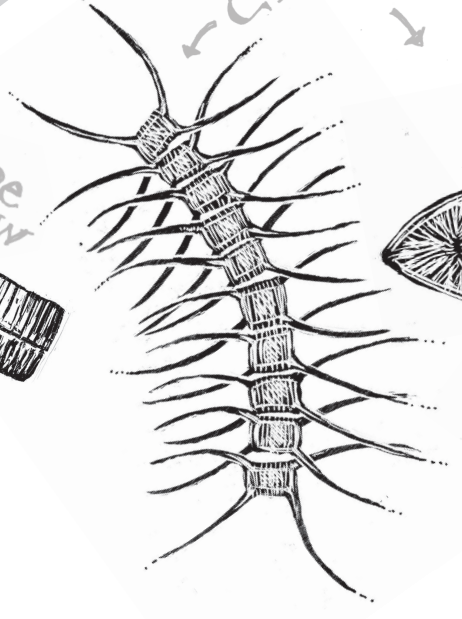
TROCHOPHORE



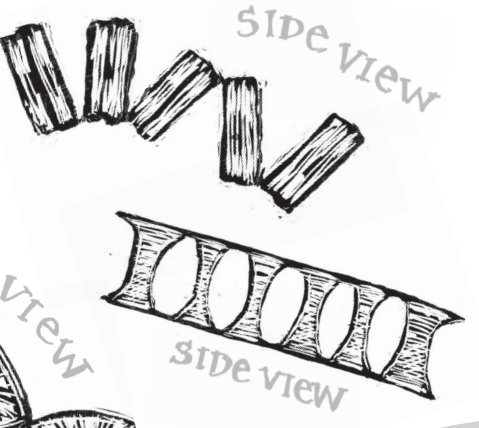
POLYCHAETE



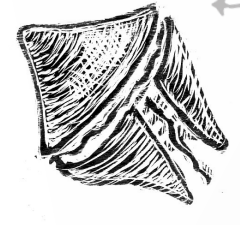
ONE CELL SIDE VIEW TOP VIEW



CHAINS



SIDE VIEW TOP VIEW SIDE VIEW



THIS



FLAGELLUM MAKES THEM SPIN



BIOLUMINESCENT



DRAW IN THE FLAGELLA



COPEPOD



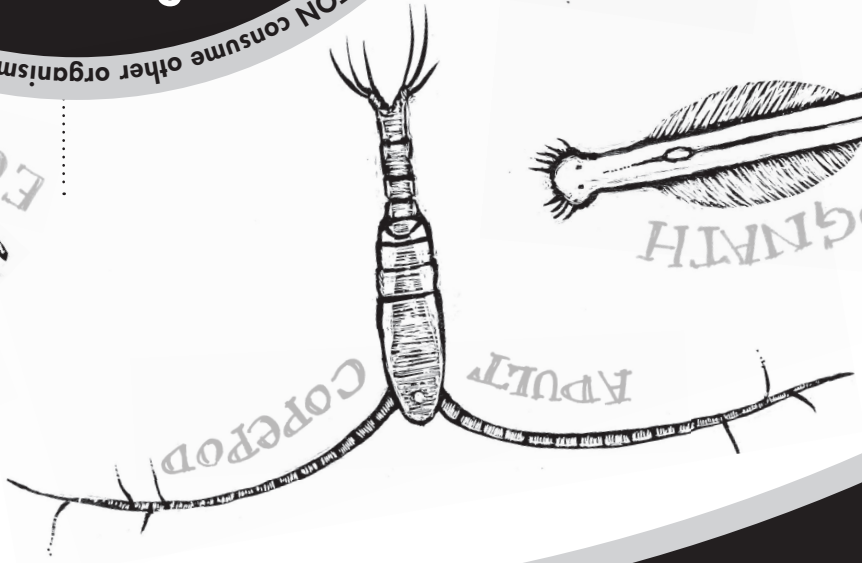
SHRIMP



CNIDARIAN



CHAETOGNATH



COPEPOD ADULT

COLOR the ZOOPLANKTON

MEROPLANKTON drift in their early life stages. Young larvae look so different from adults, they have unique names. Match the larva to its adult form on back cover. [meros = part]

HOLOPLANKTON live their entire lives drifting with the currents. They migrate to the surface at night to feed and down during the day to hide from being eaten. [holos = whole]

PHYTOPLANKTON are one-celled algae. They get some or all of their energy from the sun. [*phyto* = plant] ZOOPLANKTON consume other organisms for energy. [*zoo* = animal]