



TCS 2017 MARINE BIOLOGY -- Species to Know for Field Exam

Birds (English name only):

American Oystercatcher
Blue-footed Booby
Brown Pelican
Common Noddy (aka Brown Noddy, Noddy Tern)
Eliot's Storm Petrel
Flightless Cormorant
Frigatebirds (Great and Magnificent)
Greater Flamingo
Galapagos Penguin
Galapagos Shearwater
Lava Heron
Nazca Booby
Red-billed Tropicbird
Ruddy Turnstone
Semi-palmated Plover
Swallow-tailed Gull
Whimbrel
White-cheeked Pintail Duck
Yellow-crowned Night-Heron

Mammals & Reptiles:

Galapagos Fur Sea Lion
Galapagos Sea Lion
Galapagos Tortoise (not to species)
Marine Iguana
Pacific Green Turtle (male vs. female)
Hawksbill Turtle (male vs. female)

Algae & Inverts (English name; also Scientific):

Recognize examples of all invertebrate Phyla and Classes covered in lecture (*note: Crustacea = SubPhylum, in Phylum Arthropoda; know both)
Know key identifying (or "unifying") traits of each invert Phylum or Class
Algae Divisions: Chlorophyta, Rhodophyta, Phaeophyta

*Barnacle (Thatch-roof) *Tetraclita*
Blue Sea Star *Phataria* sp.
*Boulder Coral *Pavona* spp.
*Chiton
Chocolate Chip Sea Star *Nidorellia* sp.
*Christmas Tree Worm *Spirobranchus* sp.
*Decorator Anemone *Bunodosoma* spp.
*Finger coral *Pocillopora*
*Ghost crab *Ocypode* spp.
*Green Sea Urchin *Lytechinus* sp.
Hermit crab
*Intertidal snail *Nerita* spp.
*Keyhole limpet *Fissurella* spp.
*Long-spined (aka Hatpin) Urchin *Diadema* sp.
*Orange cup coral *Tubastrea* spp.
Panamic Cushion Star

*Periwinkle Snail *Littorina* spp.
*Red calcareous algae *Lithothamnion* spp.
*Sally Lightfoot crab *Grapsus grapsus*
*Sea cucumbers *Holothuria* spp., and *Stichopus* spp.
*Sea sun *Heliaster* sp.
*Siphon Limpet *Siphonaria* sp.
*Slate-pencil Sea Urchin *Eucidaris* sp.

Fish (English name only; & ecological role or diet):

Barberfish
Black-striped Salema
Black-tipped Cardinalfish
Blue-and-gold Snapper
Blue-chinned Parrotfish (all phases)
Concentric (aka Bullseye) Pufferfish
Cortez Rainbow Wrasse (all phases)
Cownose Ray (aka Golden Cownose Ray)
Diamond Stingray
Flag Cabrilla
Giant Damselfish (adult & immature)
Guineafowl Pufferfish (both color morphs)
Hieroglyphic (aka Giant) Hawkfish
King Angelfish
Leather Bass
Manta Ray
Marbled Stingray
Mexican Hogfish (all phases)
Orange-sided Triggerfish
Pacific Creolefish
Panamic Fanged Blenny
Panamic Sergeant Major (breeding & non-breeding)
Razor Surgeonfish
Reef Cornetfish
Ringtail Damselfish (adult & immature)
Spinster Wrasse (all phases)
Scissortail Chromis
Spotfin Burrfish
Spotted Eagle Ray
Three-banded Butterflyfish
Trumpetfish
White-tipped Reef Shark
Yellowtail Damselfish (adult & immature)

Plants (Scientific name; also English, if given):

**Avicennia germinans* Black Mangrove
**Conocarpus erectus* Buttonwood Mangrove
**Cryptocarpus pyriformis* Saltbush
**Ipomea pes-caprae* Beach Morning Glory
**Laguncularia racemosa* White Mangrove
Maytenus octogona
**Opuntia* spp. Prickly Pear Cactus
**Rhizophora mangle* Red Mangrove
Scutia pauciflora
**Sesuvium portulacastrum* Carpetweed