

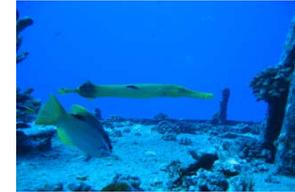
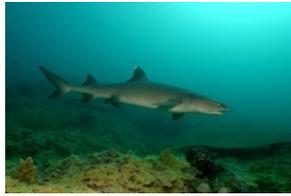
Adaptations for Living Spaces of the Reef



Compare a
RAINFOREST
to a
CORAL REEF

Adaptations for Living Spaces of the Reef :

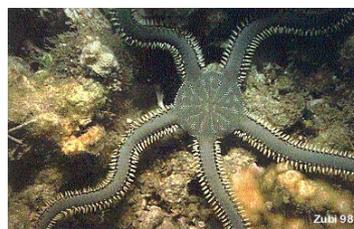
ABOVE the reef:



ON the reef:



IN the reef:



Coral reefs are called “Rainforests of the Sea”:
They provide many *living spaces* for plants & animals.



← ABOVE

ON →

← IN

Fish live **ABOVE** the reef



Fish *swim fast* ABOVE the reef

Fast Swimmers:

- Predators
- Streamlined Body Shape
- Forked tail fin



White-tip Reef Shark
(manō-lālā-kea)



Trevally (ulua)



Barracuda (kākū)

Fish *hover* **ABOVE** the reef



- Body shape is flat from side to side
- Fins flutter & are shaped to help fish hover above reef, or quickly move to safety.



Angelfish



Triggerfish (humuhumu)

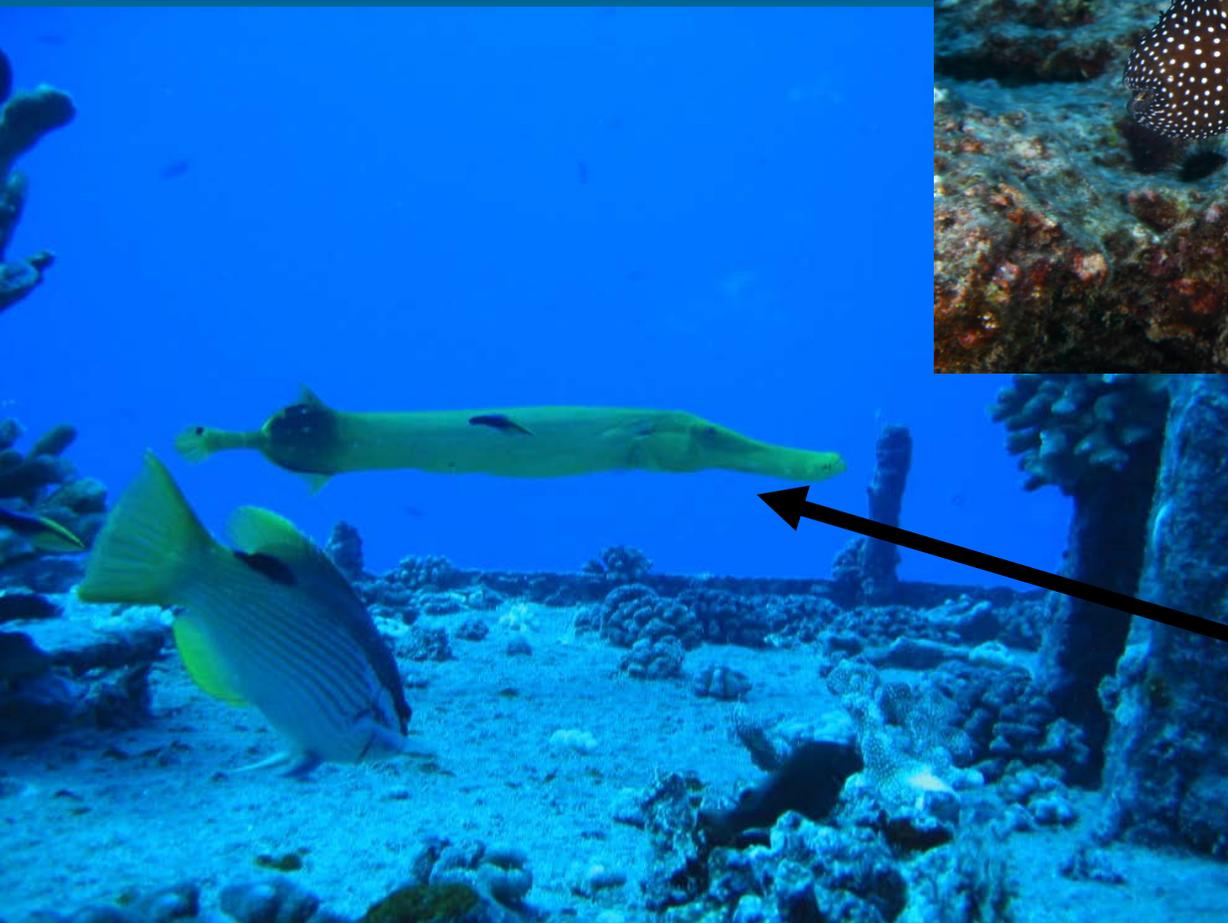


Yellow tang (lau-ī-pala)

Some other fish that *hover* **ABOVE** the reef:

Pufferfish ('o'pu-hue):

- Round body shape
- Fins for hovering



Trumpetfish (nūnū):

- Long body shape
- Fins for hovering

Fish live **ON** the reef

- Body shape = flat on the bottom
- Large pelvic fins to cling onto coral

Can you find the **FROGFISH**?



**Goatfish
(kūmū)**



HINT: Here is the fin.

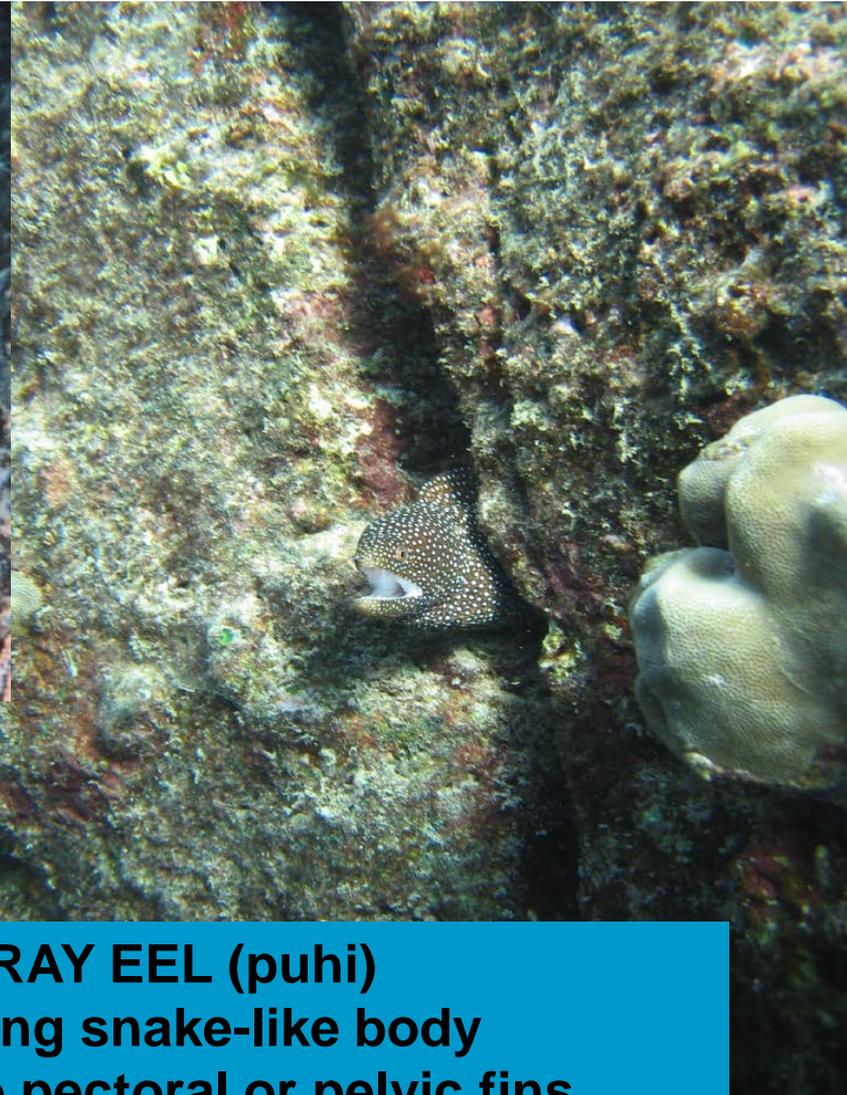


**Hawkfish
(po'o-pa'a)**



Scorpionfish (nohu)

Fish live **IN** the reef



MORAY EEL (puhi)

- Long snake-like body
- No pectoral or pelvic fins

Some Invertebrates are **MOBILE**:
They **MOVE ON** the Reef



Hawaiian Pom Pom Crab



HERMIT CRAB



CLEANER SHRIMP

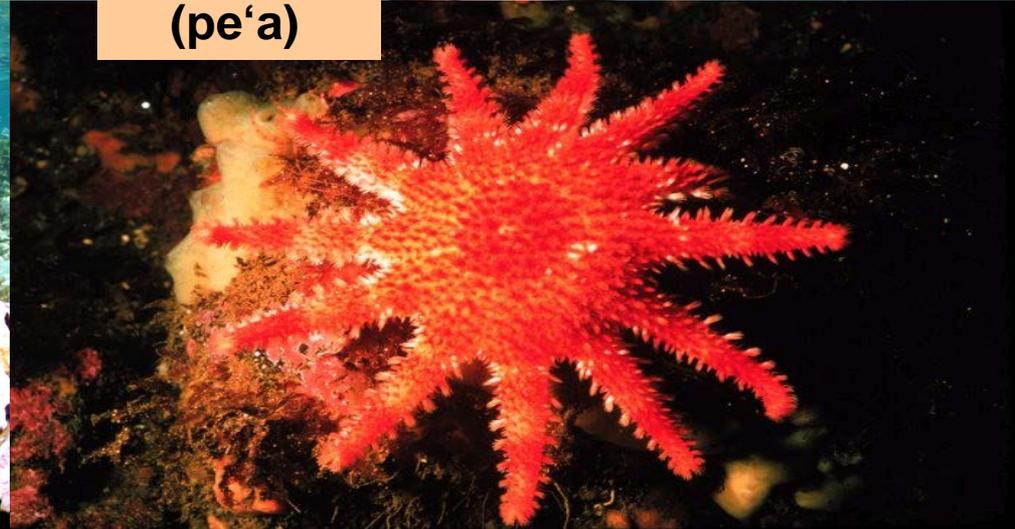
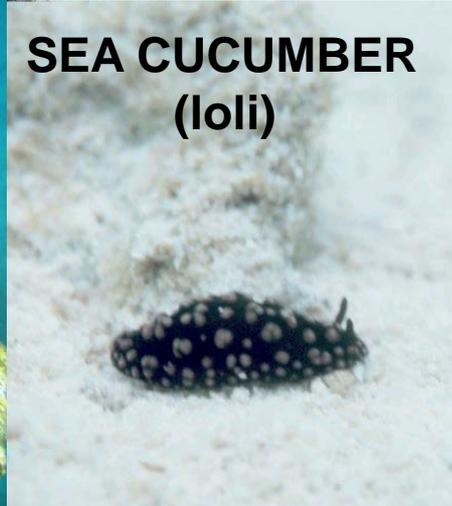
LOBSTER
(ula)



...using LEGS

Some Invertebrates are *MOBILE*:

They *MOVE ON* the Reef ...using tube feet



Some Invertebrates are **MOBILE**:
They **MOVE ON** the Reef

COWRY (leho)



TRITON'S TRUMPET (pū'ole)



LIMPET ('opihi)

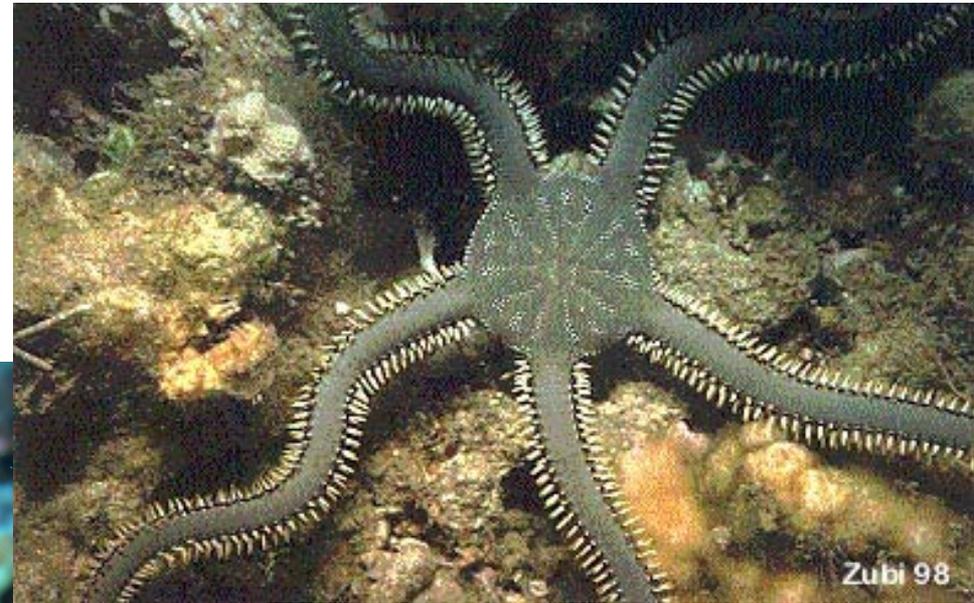


...using a big FOOT MUSCLE

Some Invertebrates are *MOBILE*:

They *MOVE ON* the reef and hide *IN* the reef

DAY OCTOPUS (he'e maui)



Zubi 98

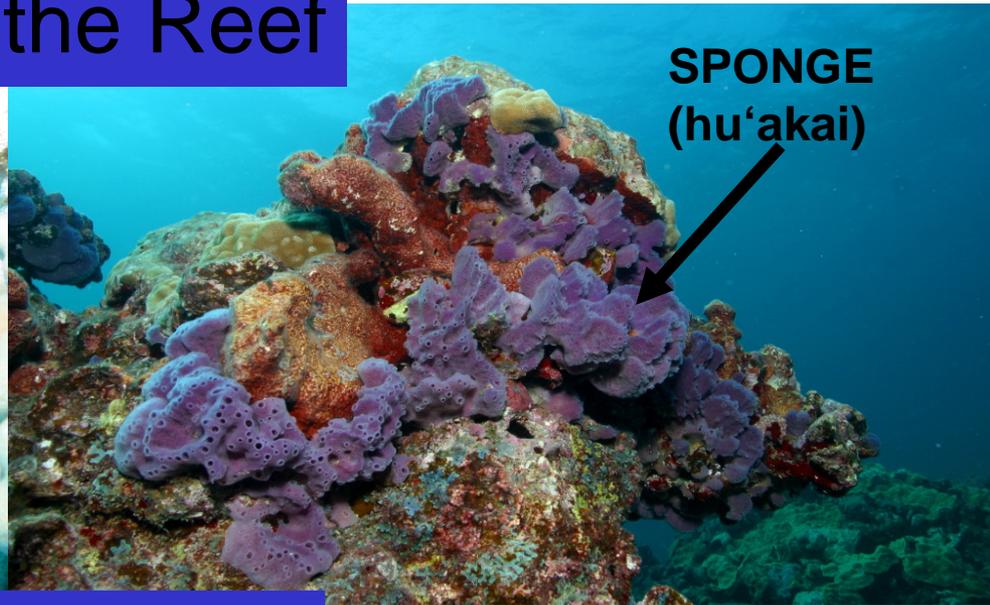
BRITTLE STAR

Some Invertebrates are *SESSILE*:
They are *STUCK DOWN*

ON the Reef



OYSTER (pā)



SPONGE
(hu'akai)

TUBE WORMS



IN the Reef



The End