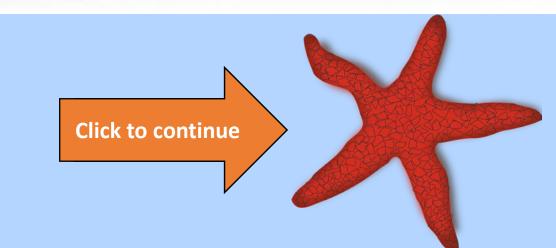
Snappy's Unique Adventure

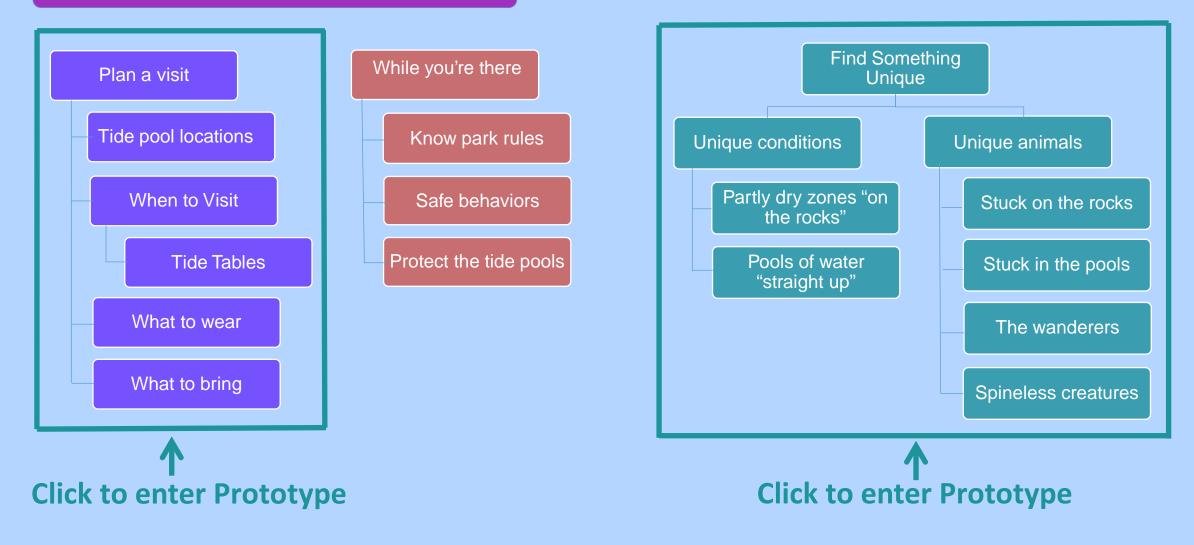
Tide Pool Resource Prototype

Steve Cummings Leopoldo Lopez Steve Schlichtenmyer



Pre-visit: A unique adventure

Content Map



Hi! My name is Snappy! I'm going to help you plan your tide pool adventure. Let's get started!

Click to continue

WHERE ARE TIDE POOLS LOCATED?

Tide pools only occur at the edge of land where it meets the ocean at a rocky place.

> Tide pools cannot be found at a sandy beach,

Click each name to learn more about the tide pools.



Cabrillo National Monument

- Located at the southern tip of the Point Loma Peninsula in San Diego, California.
- Commemorates the landing of Juan Rodríguez Cabrillo at San Diego Bay on September 28, 1542.
- The southern end of Cabrillo is one of the best-protected and easily accessible rocky intertidal areas in southern California.

Click to go back

La Jolla Cove

- San Diego's most desirable spot for kayaking, snorkeling and diving.
- Protected as part of a marine reserve; underwater it is very rich in marine life.
- The swells that roll in from the open ocean here can be large and strong, and may not be suitable for people who do not have good water skills.

Click to go back

Crystal Cove State Beach

- Located off Pacific Coast Highway between Corona del Mar and Laguna Beach.
- Offers 3.5 miles of coastline in its natural state.
- The 3,936-acre park was established in 1979.



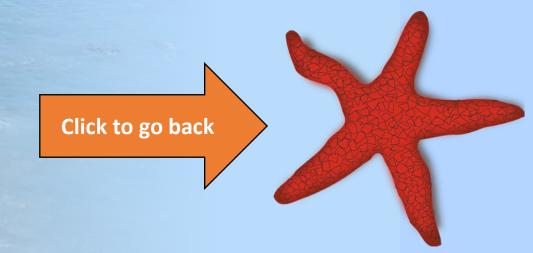
The best tide pools in So-California for families are: Little Corona del Mar Beach

- Relatively small, flanked on both sides with rocky reefs that offer spectacular diving.
- Beyond the water edge, the sandy beach drops off to scattered rocks hidden among eel grass.
- Well protected from swells and surf, making it great for families to visit.

Click to go back

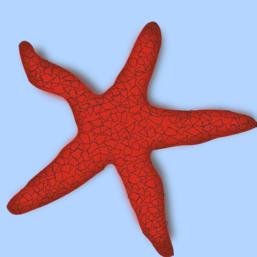
Leo Carrillo State Park

- The park was named after Leo Carrillo, actor, preservationist and conservationist.
- A component of Santa Monica Mountains National Recreation Area.
- Beach has tidepools, coastal caves and reefs for exploring.



WHAT CAUSES TIDES?

The Moon (and Sun's) gravity pull on the Earth's oceans. This causes the ocean levels to rise and fall twice a day.



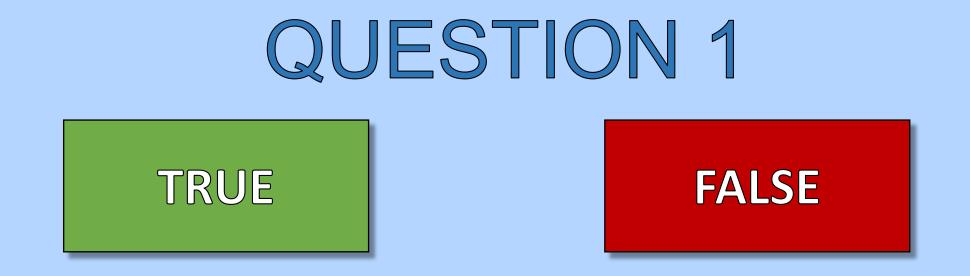
WHEN IS THE BEST TIME TO VISIT?

During low tide, when the tide is receding...from two hours before through two hours after.

Don't come if the low-tide is higher than one foot...The tide pools will be underwater!

QUIZ TIME!

Click this button to begin!



Tide pools only occur at the edge of the land where it meets the ocean at a rocky place.

NOTE: The TRUE and FALSE buttons are active links.

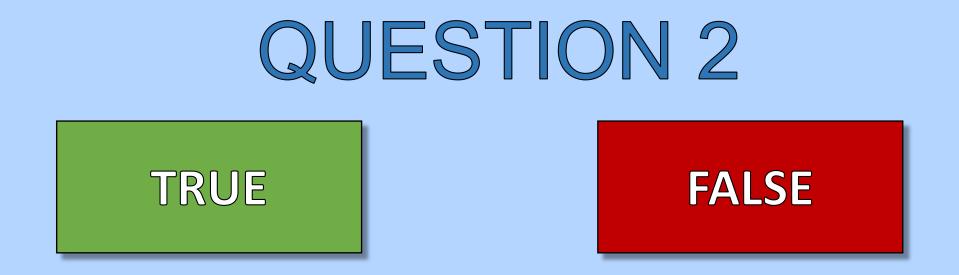
CORRECT!

Please click here to proceed to next question.

Wrong answer, but nice try!

Please click here to proceed to next question.

Tide pools ONLY occur at the edge of the land where it meets the ocean at a rocky place.



Satellites are what cause the ocean levels to rise and fall twice a day.

NOTE: The TRUE and FALSE buttons are active links.

CORRECT!

The Moon (and Sun's) gravity pull on the Earth's oceans. This causes the ocean levels to rise and fall twice a day.

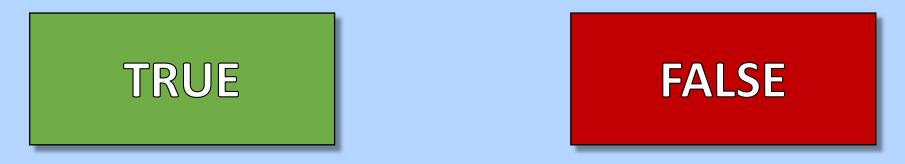
Please click here to proceed to next question.

Wrong answer, but nice try!

Please click here to proceed to next question.

The Moon (and Sun's) gravity pull on the Earth's oceans. This causes the ocean levels to rise and fall twice a day.

QUESTION 3



Tide pools can be found at a sandy beach.

NOTE: The TRUE and FALSE buttons are active links.

CORRECT!

Tide pools only occur at the edge of the land where it meets the ocean at a rocky place.

Please click here to proceed to next question.

Wrong answer, but nice try!

Please click here to proceed to next question.

Tide pools only occur at the edge of the land where it meets the ocean at a rocky place.



Cabrillo National Monument Leo Carrillo State Park

This tide pool is located at the most southern tip of California.

NOTE: The "tide pool" buttons are active links.

CORRECT!

Please click here to proceed to next question.

Wrong answer, but nice try!

Please click here to proceed to next question.

Cabrillo National Monument is the most southern tide pool in California.



La Jolla Cove

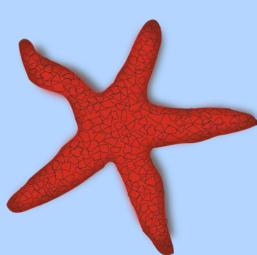
Crystal Cove State Beach

This tide pool offers 3.5 miles of trail on its coastline.

NOTE: The "tide pool" buttons are active links.

CORRECT!

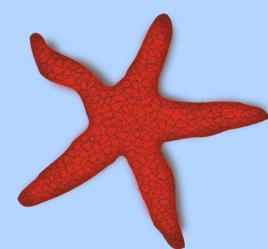
Congratulations! You've completed the quiz



Wrong answer, but nice try!

Congratulations! You've completed the quiz

Crystal Cove State Beach offers 3.5 miles of trail on its coastline.



Next, I'll show you what to wear and what to bring on your tide pool adventure.

Click to continue

WHAT SHOULD I WEAR?

Shoes with good gripping soles are best. Rocky areas are slippery.

> Flip-flops or sandals without a heelstrap are not stable on the rocks.



Click to continue

WHAT SHOULD I WEAR?

A warm jacket or sweatshirt, as it is often cold at the coast.

 \bigcirc

Wear a bathing suit or shorts or roll up your pants.

Click to continue

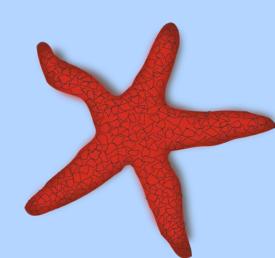
Ol: Chels

WHAT SHOULD I BRING?



A zip-lock bag to protect stuff from water and sand. Sunscreen and a hat will help protect from sunburn.





QUIZ TIME!

Click this button to begin!

QUESTION 6





Which footwear is ideal when exploring a tide pool?

NOTE: The **images** are active links.

CORRECT!



Please click here to proceed to next question.

Flip-flops and other sandals without a heelstrap are not as stable when maneuvering among the rocks, and are not recommended.

Wrong answer, but nice try!



Please click here to proceed to next question.

Flip-flops and other sandals without a heelstrap are not as stable when maneuvering among the rocks, and are not recommended.

QUESTION 7



It's a warm day at your house in the valley, what should you bring to the tide pools?

NOTE: The **images** are active links.

CORRECT!



Please click here to proceed to next question.

However, a sun hat is also correct. The hat can protect you from the suns rays.

CORRECT!



Please click here to proceed to next question.

However, a warm jacket is also correct. A jacket will keep you warm as it is often cold at the coast even if it is warm inland.



QUESTION 8



Which of these will protect your personal belongings from water and sand? NOTE: The images are active links.

CORRECT!



A zip lock bag will protect your personal belongings

Click to continue

Wrong answer, but nice try!



A zip lock bag will protect your personal belongings

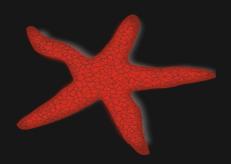
Click to continue

Hi! Select a unique tide pool adventure below, and I'll give you a personal tour!

Unique Conditions

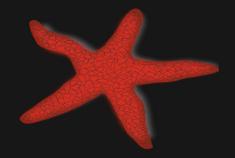
Unique Animals

Hi Snappy here! Tides make conditions Unique.

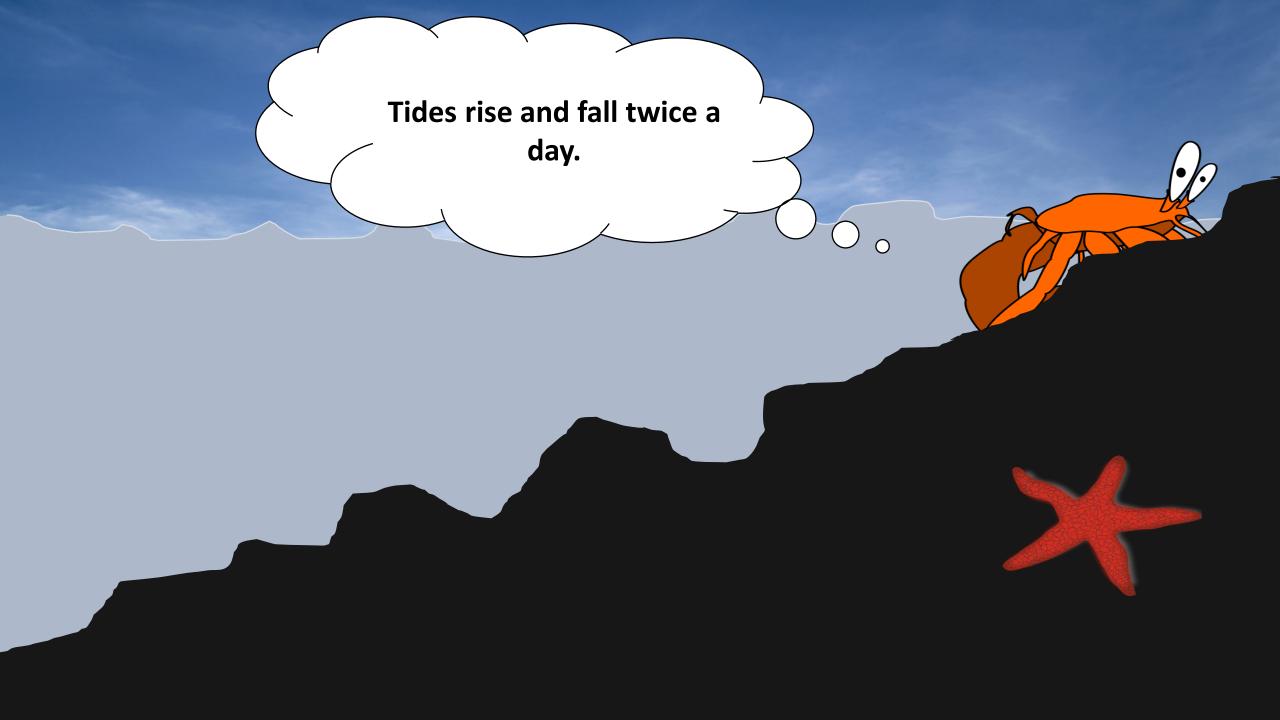


INIQUE CONDITIONS – twice a day the tide rises and falls

Hi Snappy here! Tides make conditions Unique.

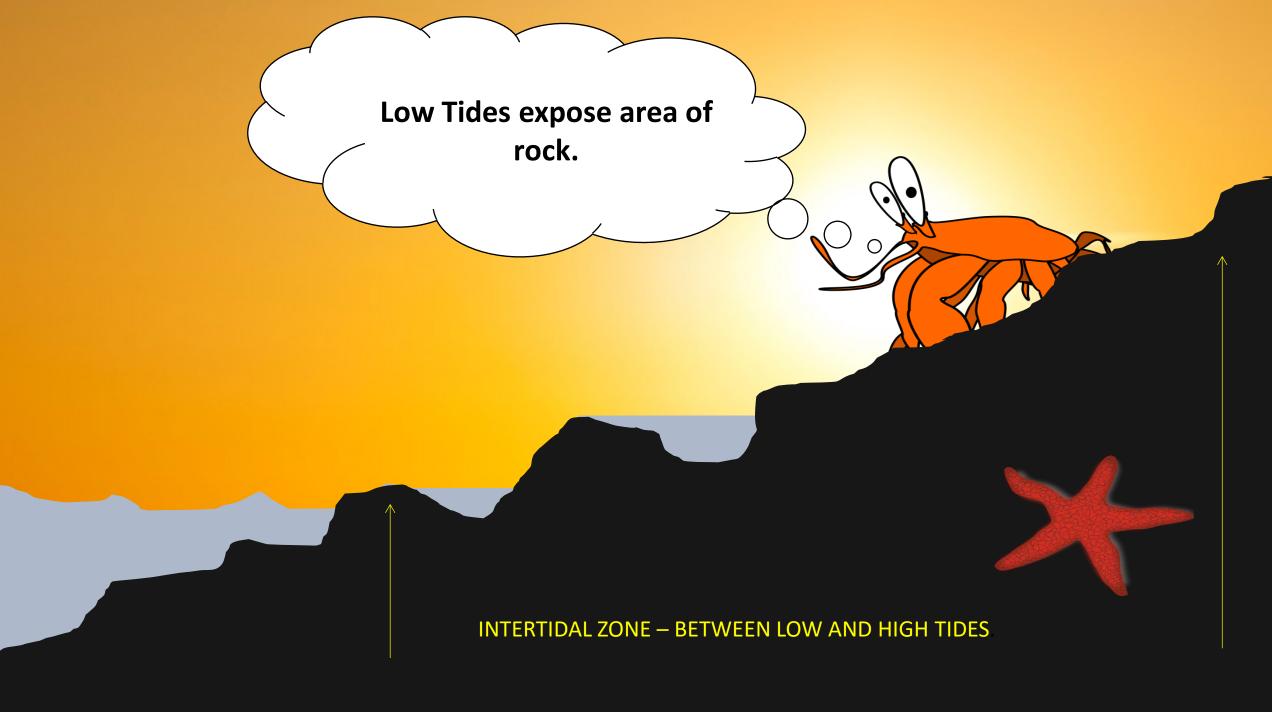






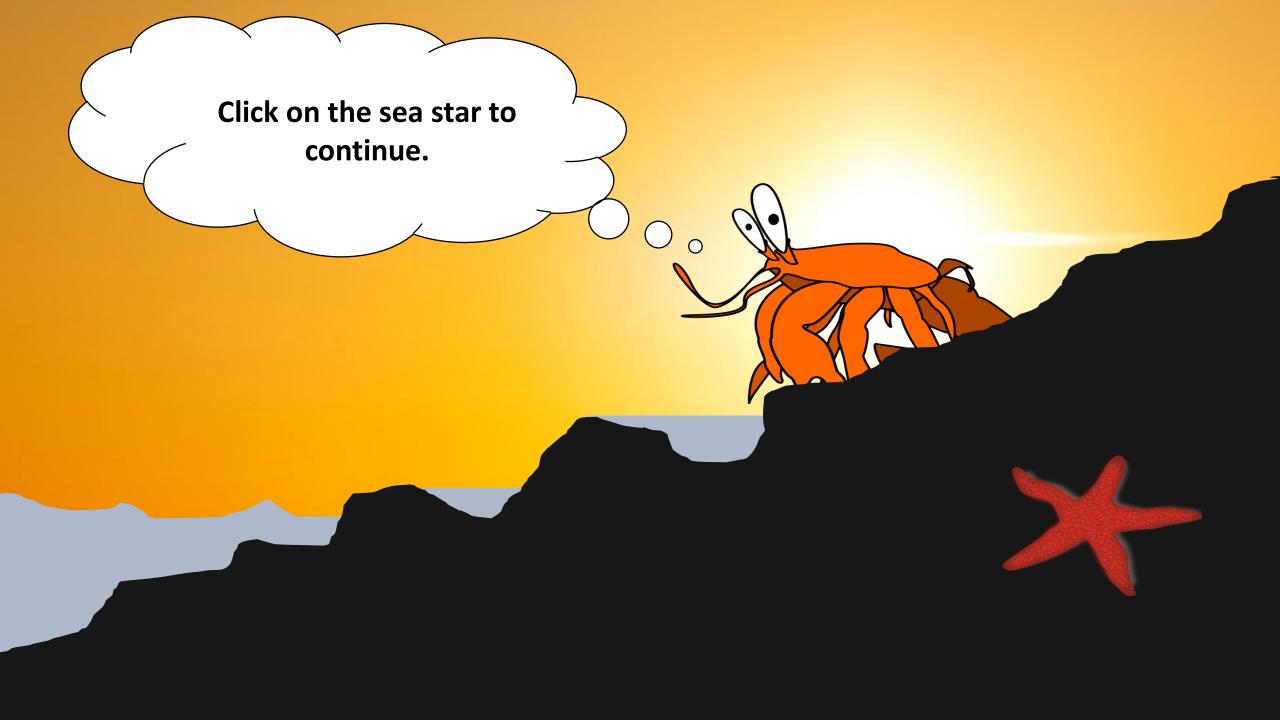


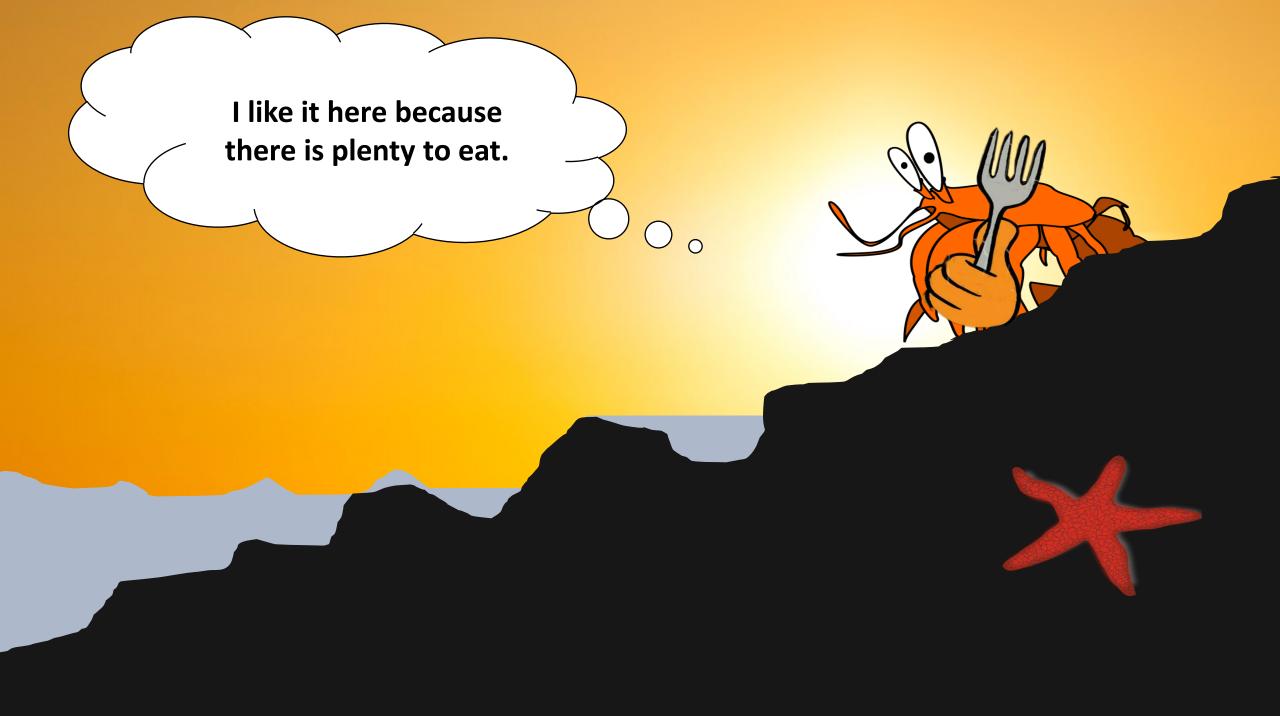




...and trap water in pools.

INTERTIDAL ZONE – BETWEEN LOW AND HIGH TIDES

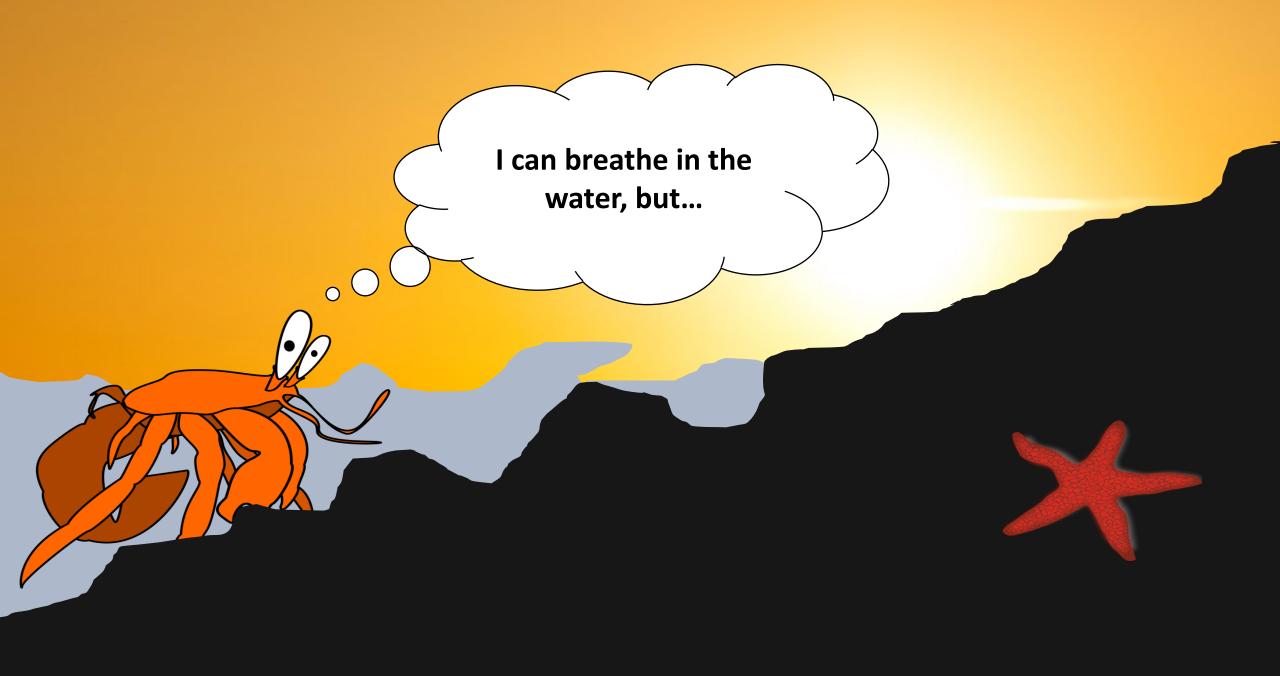


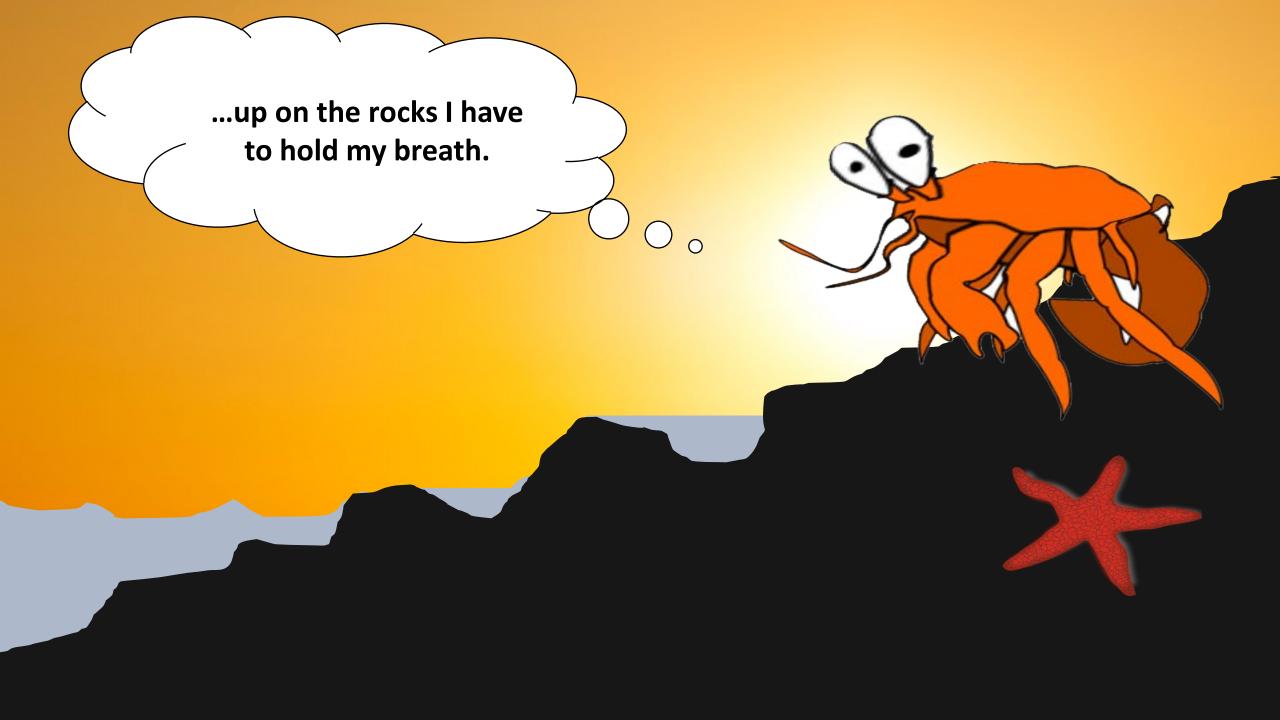


And the waves put lots of oxygen into the water for me to breathe.

0







Up on the rocks, I get hot and dried out.

0

0 ...and it's easier for predators to catch me! 0 _____ The Pools are not so hot & dry, and I can breathe!

0









Rocky Shore. That's Right!





Sandy Beach. No, water can not pool.





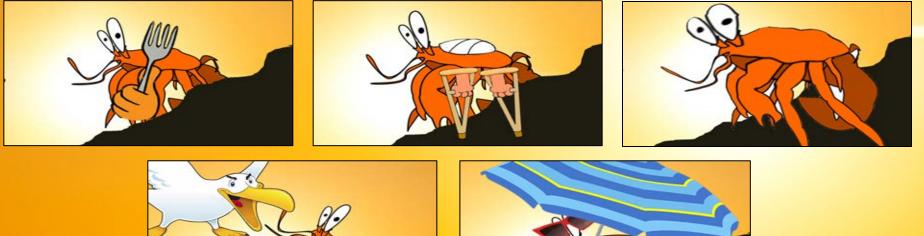
High Tide. That's Right!





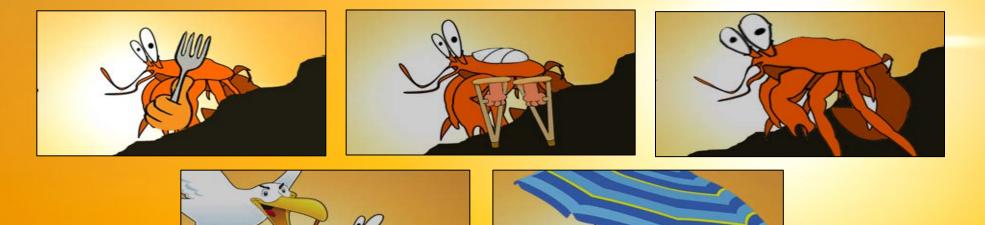
Low Tide. That's Right!





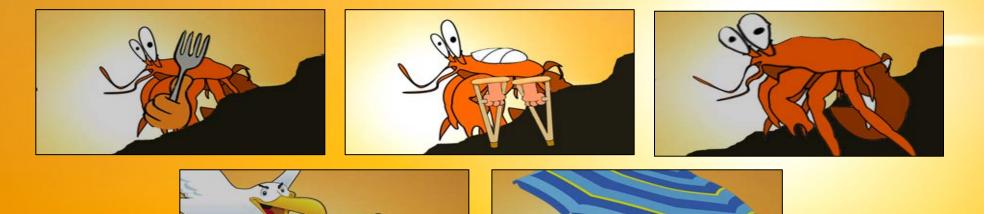
 \supset_{\circ}





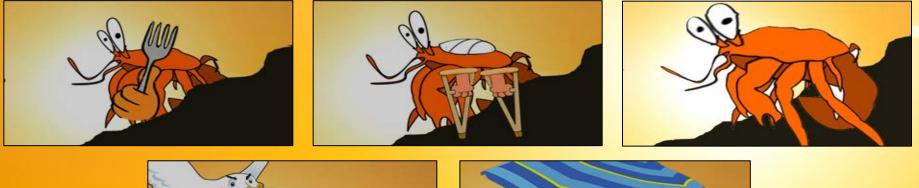
There's plenty to eat.

O.





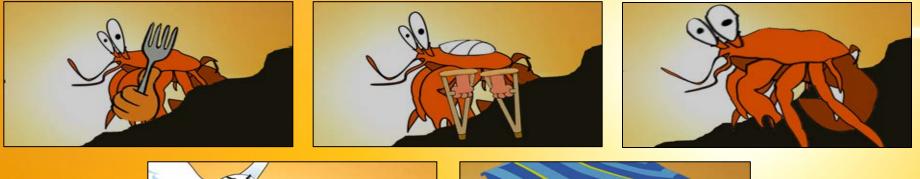
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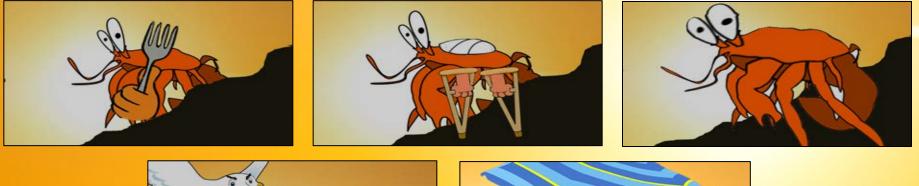








Exposed to predators.









Tide pool animals are unique and well adapted...Which ones would you like to see?

Animals that live on Rocks

Animals that live in Pools

The Wanderers

1000

Spineless Creatures Active Link

Active Link

Great! I brought my camera so we can "snap" some photos.

Click any rock and let's take a closer look!









Barnacles

Chitons

Limpets

Some animals attach themselves to the rocks and hold on tight,

They close their shells to trap a bit of the sea and hide from predators

Mussels

Great choice! I brought my camera so we can "snap" some photos.

Click any anenome and let's take a closer look!

Anenome

Some animals have suction tubes or feet that stick tightly to the rocks.



Sea Star



THE

Some also have hard and/or spiny shells to protect them from predators

Sea Urchin

Others have soft bodies and hide in nooks and crannies.

(

Click the crab to continue



Nudibranch



Octopus

And...one animal can wander anywhere in the tide pool zone, can you guess which one?

















Sea star That's right!









Crab That's not right









Sea snails That's right!

















Urchin That's Right!









Nudibranch That's not right









Crab That's right!

















Barnacles That's Right!









Mussels That's Right!









Octopus That's not right







































Snappy's Tide Pool Adventure

Drag the photo of each animal to the place where they live: On the rocks or in the pools. Score points for each one you get right!



Drag and drop feature not activated