

Welcome to Ocean Sci-Ventures

your field trip will begin shortly



A scenic photograph of a rocky coastline at low tide. The foreground is filled with dark, jagged rocks and tide pools reflecting the sky. The ocean extends to the horizon under a bright blue sky with scattered white clouds. The overall tone is serene and natural.

How do animals and plants protect themselves on the rocky shore?

Zoe Allen // AltaSea

What is the rocky shore?
What do you notice? What do you wonder?



What is the rocky shore?

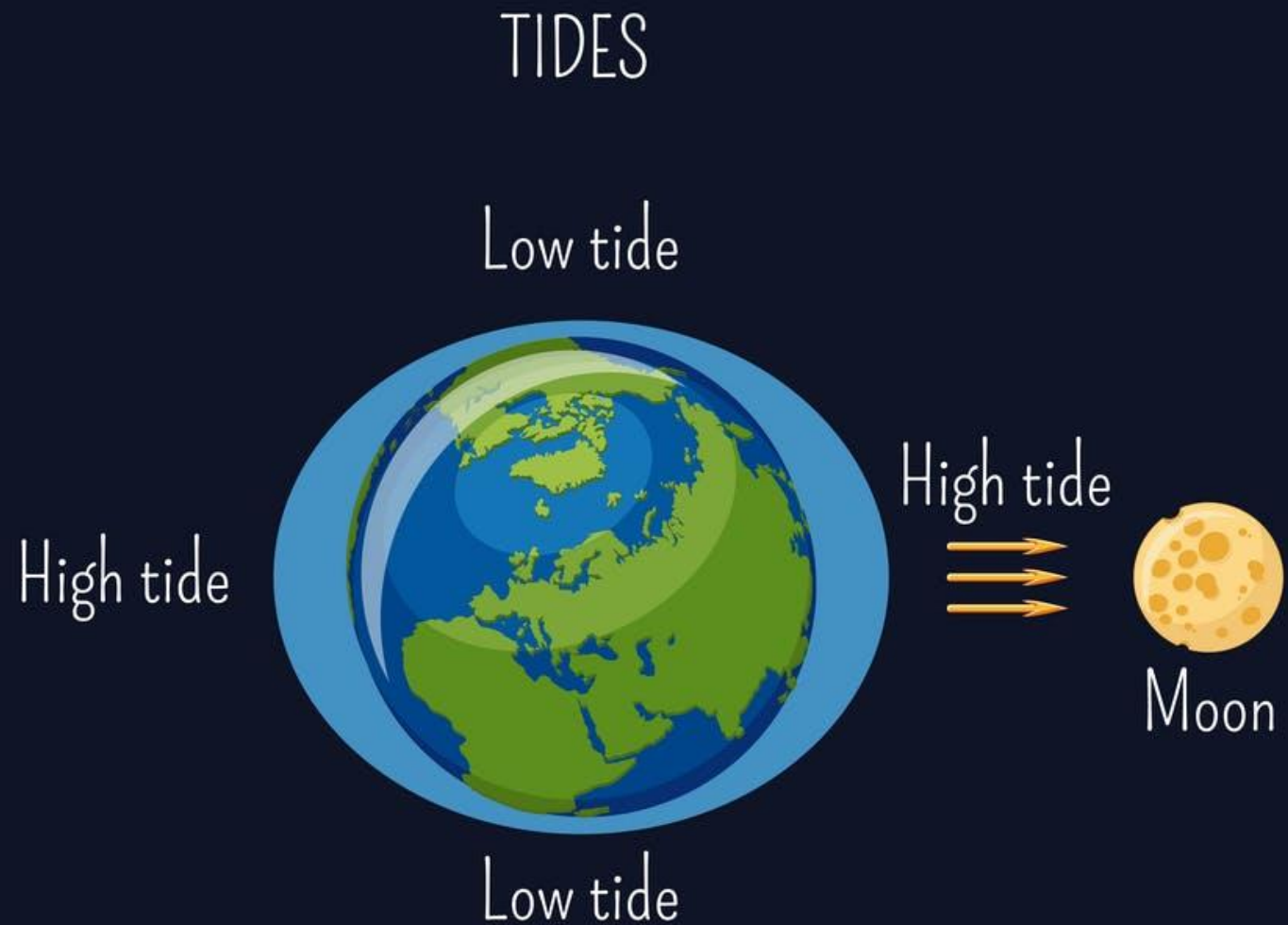


9:00am

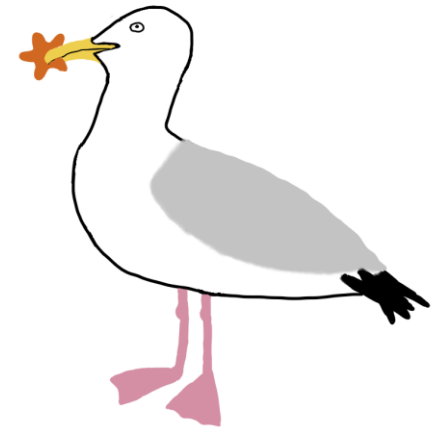
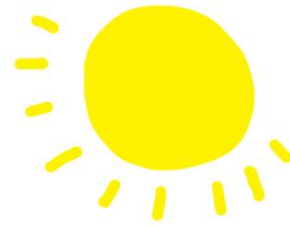


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What
causes
tides?



What challenges might animals and plants face on the rocky shore?




Questions?

Think about it: What is an adaptation?

What is an adaptation that humans have?

How does a
sea stars
protect
itself?

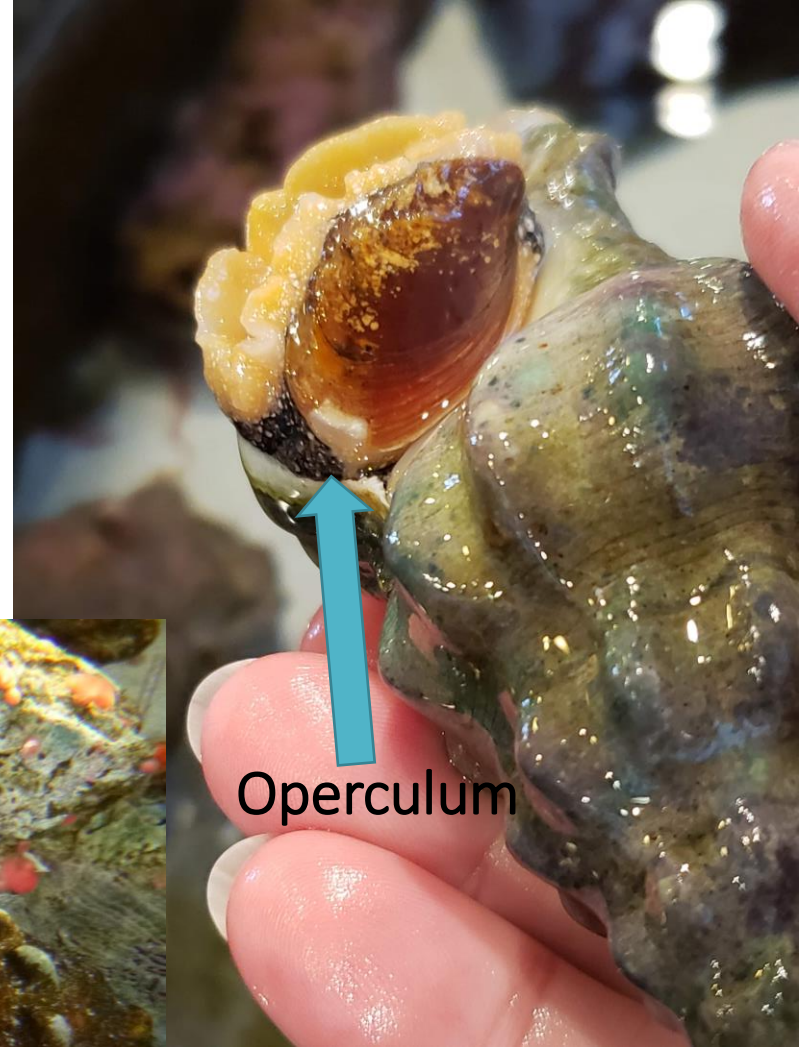


A close-up photograph of the underside of a sea star, showing its numerous tube feet. The tube feet are small, cylindrical structures that extend from the underside of the sea star's body. They are arranged in rows and are used for locomotion and feeding. The sea star's body is a light brown color, and the tube feet are a darker brown. The background is dark and out of focus.

THEY ARE LOCATED ON THE "UNDERSIDE" OF THE SEA STAR

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How does a sea snail protect itself?

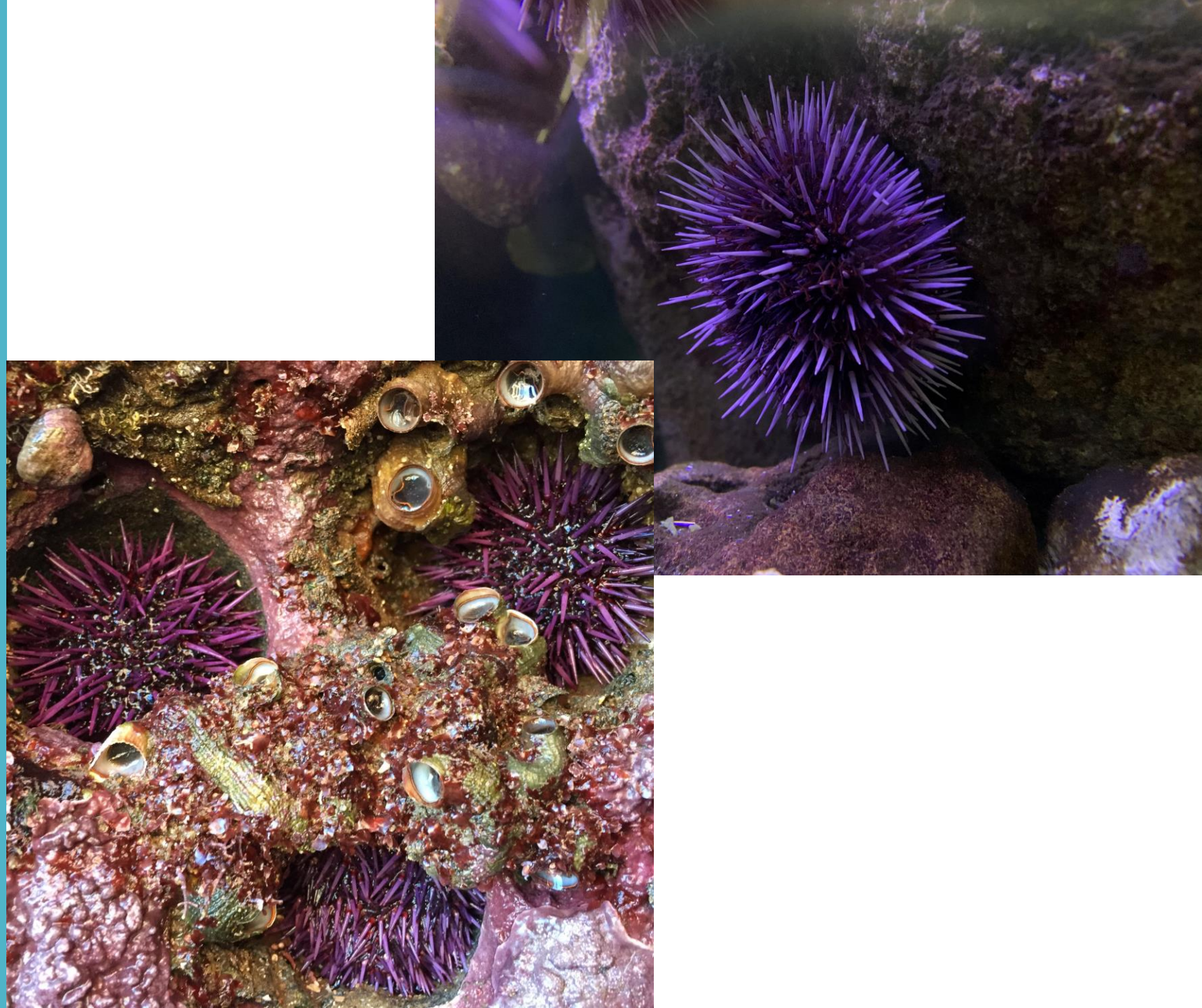


Questions?

Think about it: Do you think some animals are better adapted to living in the tidepools than others?

What adaptation would you want for living in a tidepool?

How does a
sea urchin
protect
itself?





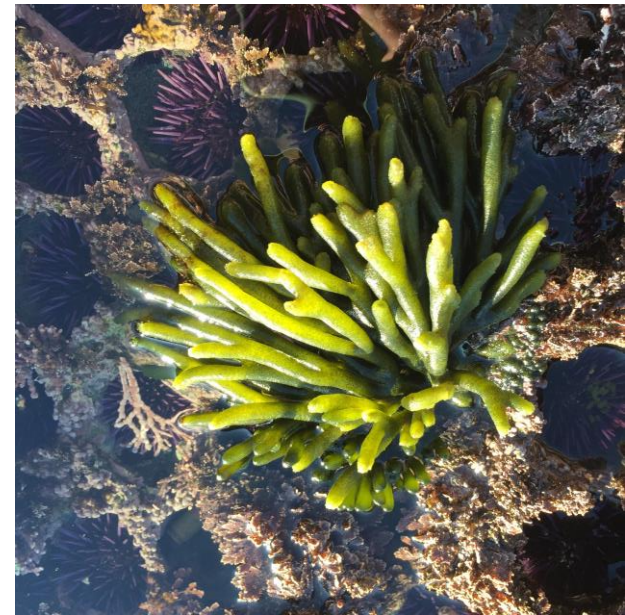
**RED AND PURPLE
SEA URCHIN**

Questions?

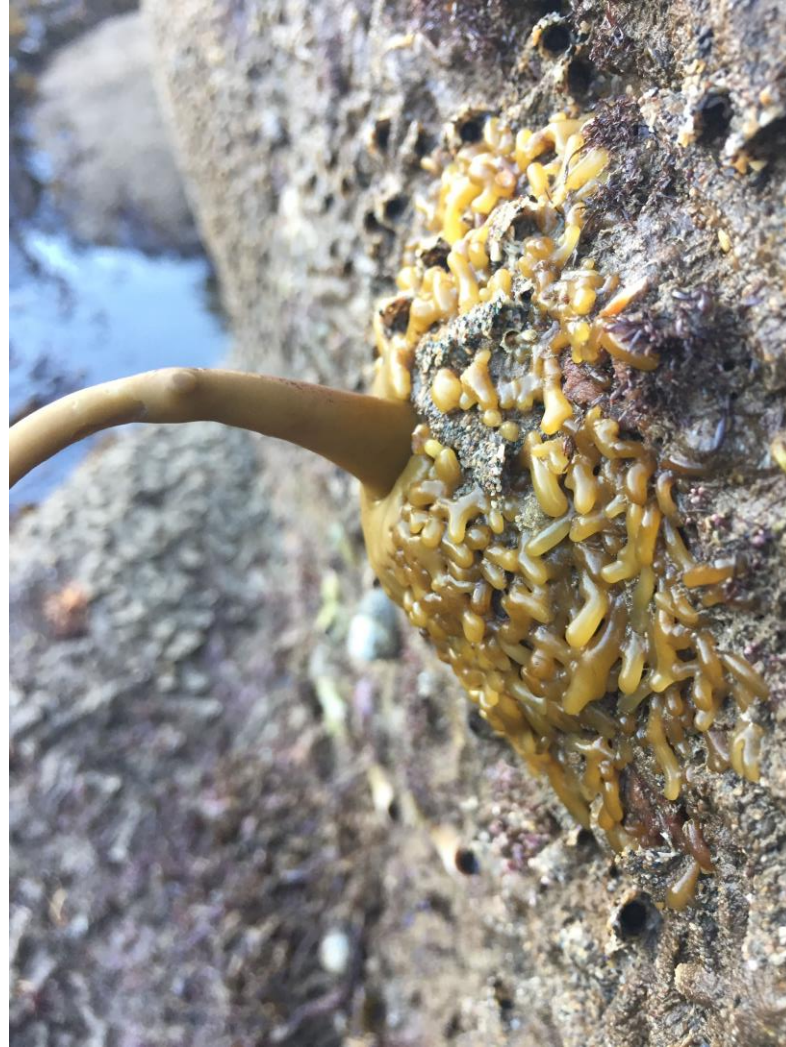
Think about it: Are there plants that grow in the ocean?

How are they different from plants that grow on land?

Are there plants in the ocean?



How does seaweed protect itself?



Questions?

What are some other ways
animals and plants in the
rocky shore protect
themselves?

Next week: Sandy beach!