

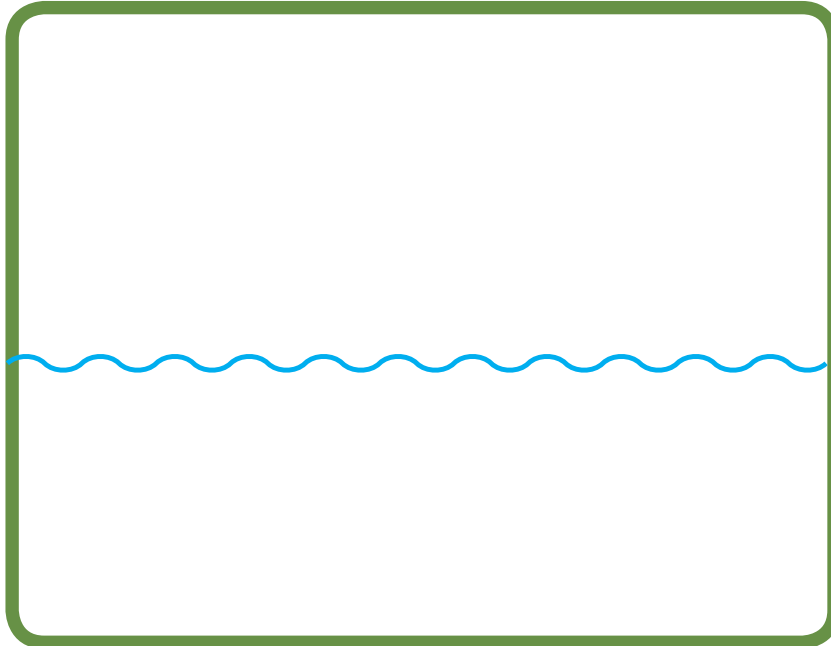
CALIFORNIA
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Light in Air and Water

Scavenger hunt

1 Start at *African Hall*, in front of the African penguins.

Find a place and a position to stand where your eyes-level is at the water.



- » Choose an object in the penguin exhibit that has one part above the water and one part below the water.
- » **Observe** and **sketch** a floating penguin!
- » Look at it from far away.
- » Look at an angle.

What do you think is happening?

Discuss with a classmate!

2 Visit the Color of Life Exhibit.

Find the Color Visualizer

Find the "Path of Light" panel

What is the scientific word for when light bends? _____

3 Touch Pool Challenge!

- » Travel downstairs to the Discovery Tide Pool in the *Steinhart Aquarium*
- » Using **two fingers** touch any object.
- » Pick a far back object and choose a spot on that object.
- » Aim for the spot you choose when you are looking above the water line.
What happens?
- » Aim for the spot again, this time looking under the water line.
What happens?
- » Discuss with a partner.

4 Do animals experience refraction?

Choose 1 of 4 the following animals to explore further, then circle it:

Archer Fish (Located in Water Planet Exhibit: Feeding in Water)	Burmese Vine Snake (Located in Water Planet Exhibit: Feeding in Water)	Splashing Tetra (Located in Animal Attractions Exhibit)	Four-eyed Fish (Located in Amazon Flooded Forest Exhibit)
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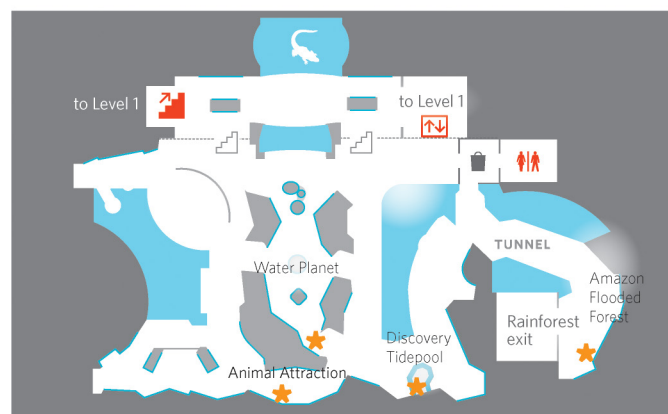
Observe the animal for 2 minutes.

Where does the animal live? (In the water, on land, or in trees)

Why do you think the animal needs to adapt for refraction?

Read the information next to the tank.

How has this animal adapted to use refraction?



Lower Level | Aquarium

