

Session 2:

Think Like a Marine Biologist



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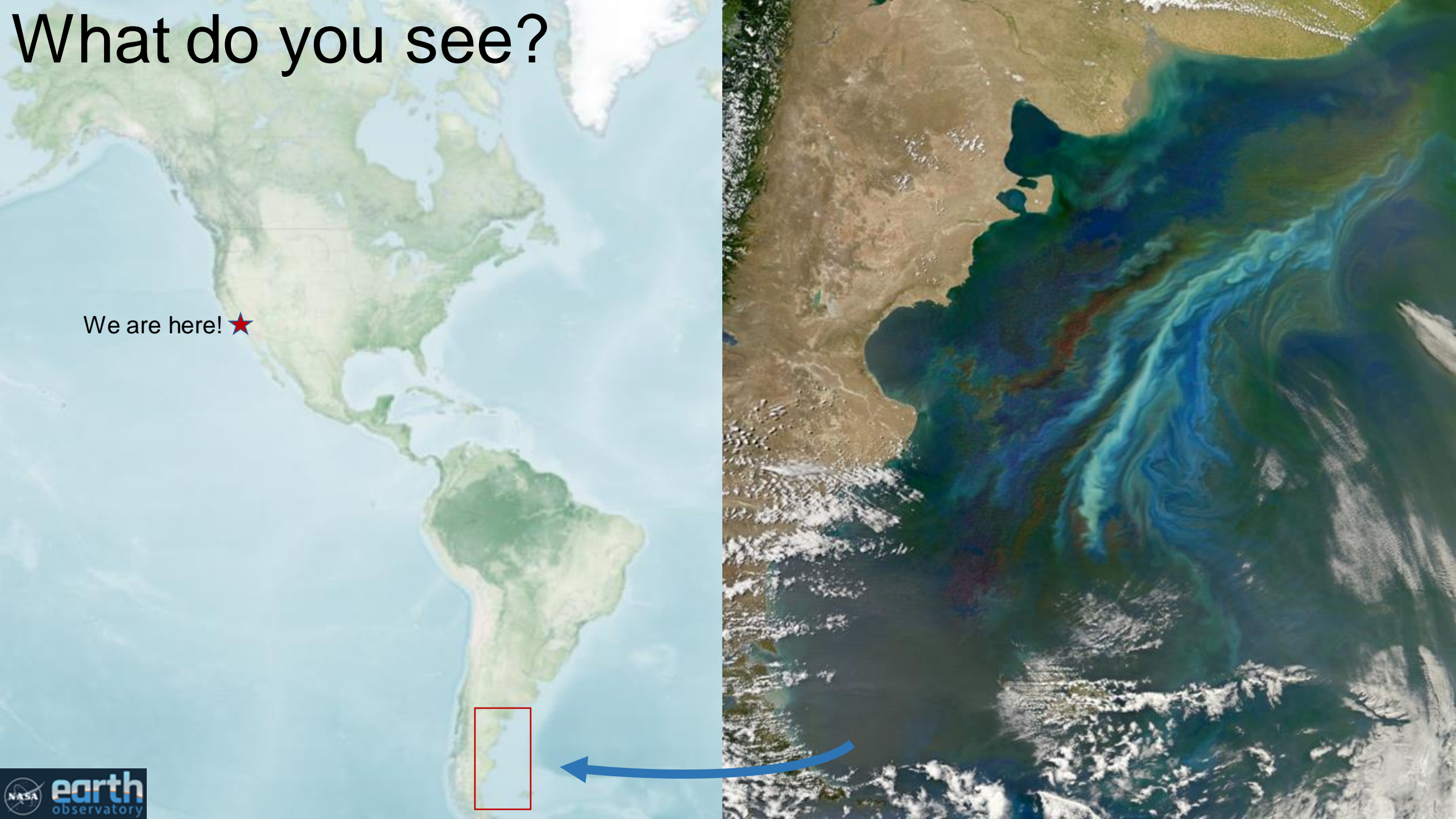
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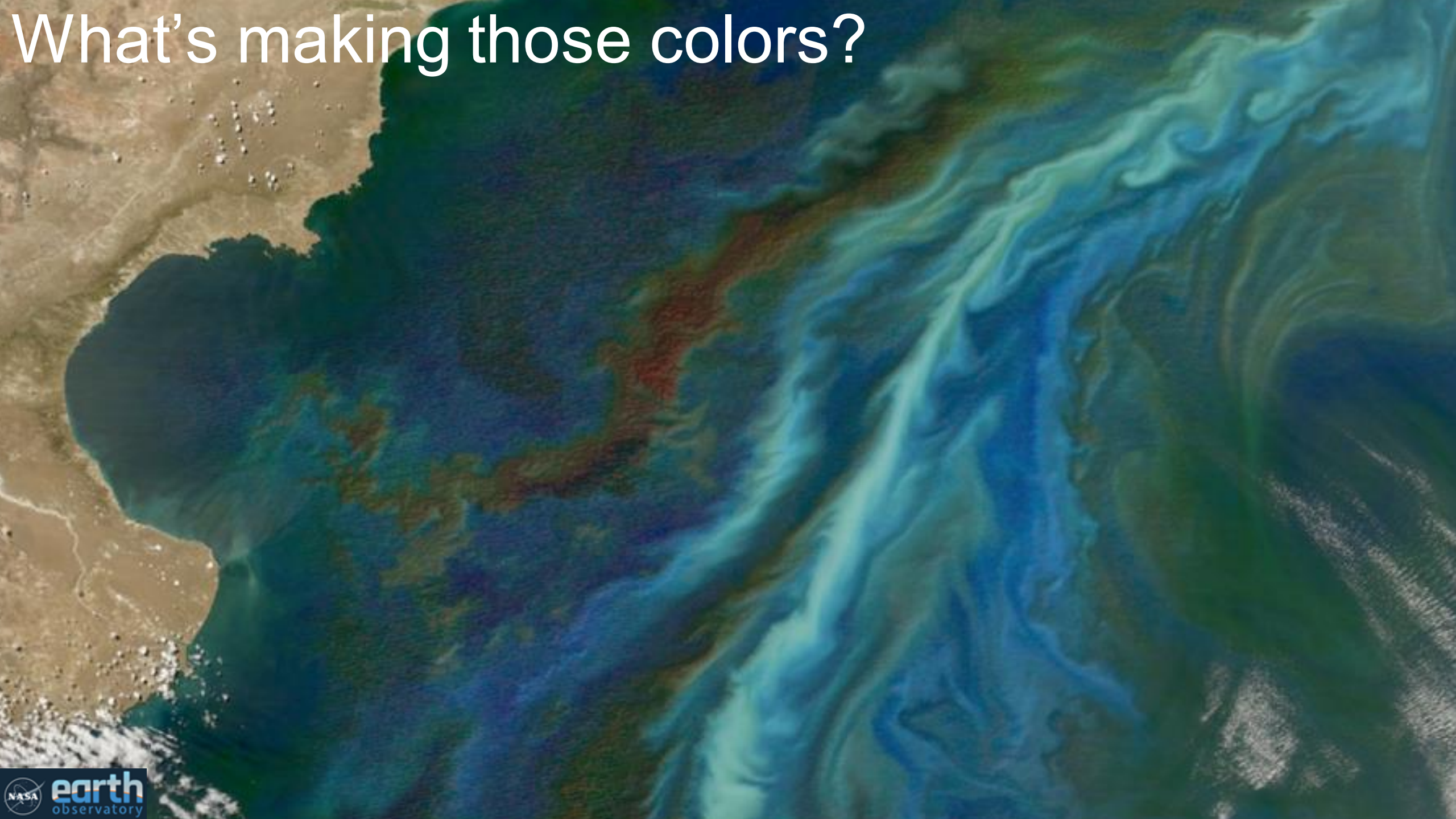
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What do you see?

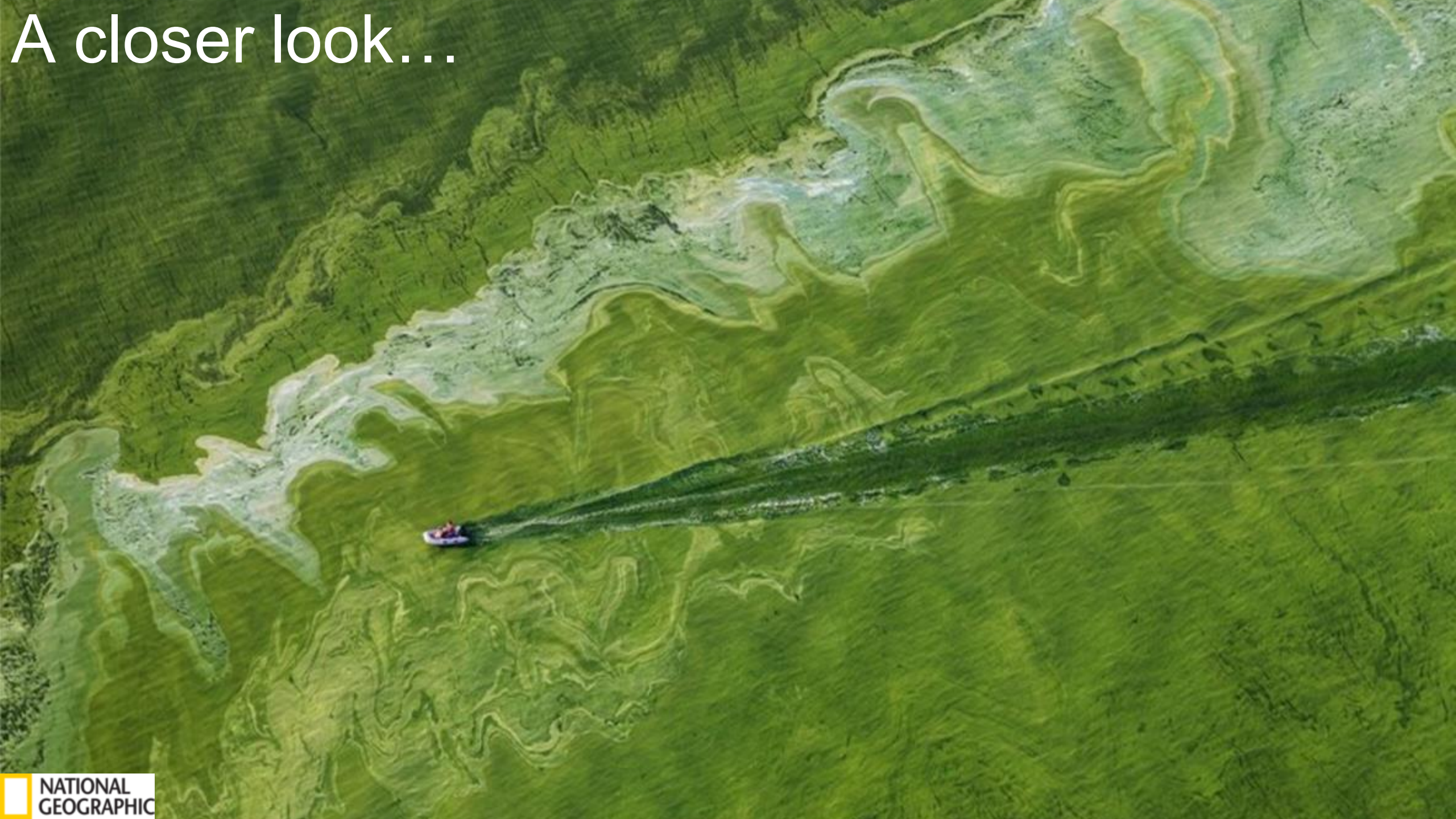
We are here! ★



What's making those colors?



A closer look...



What's growing in this aquarium?



What's in these bottles?



Phytoplankton!

What's Phytoplankton?

Phyto + Plankton



“Plant”

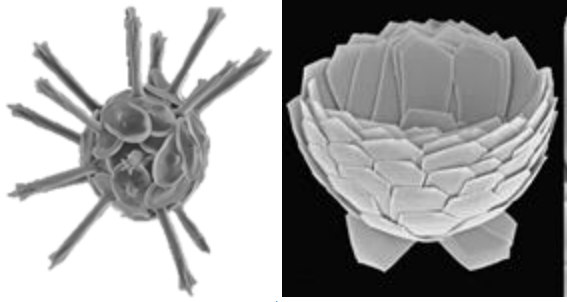


“Drifting”

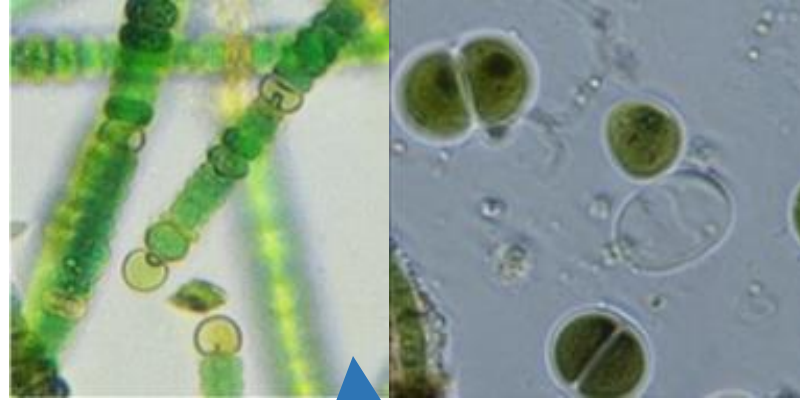


Types of Phytoplankton

Coccolithophores



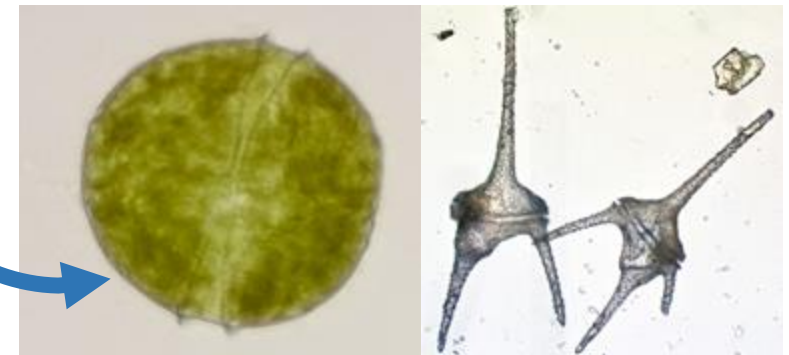
Cyanobacteria



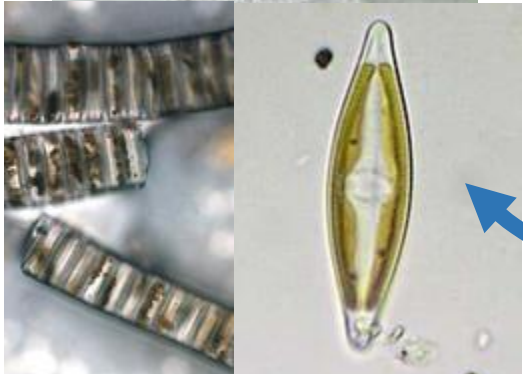
Algae



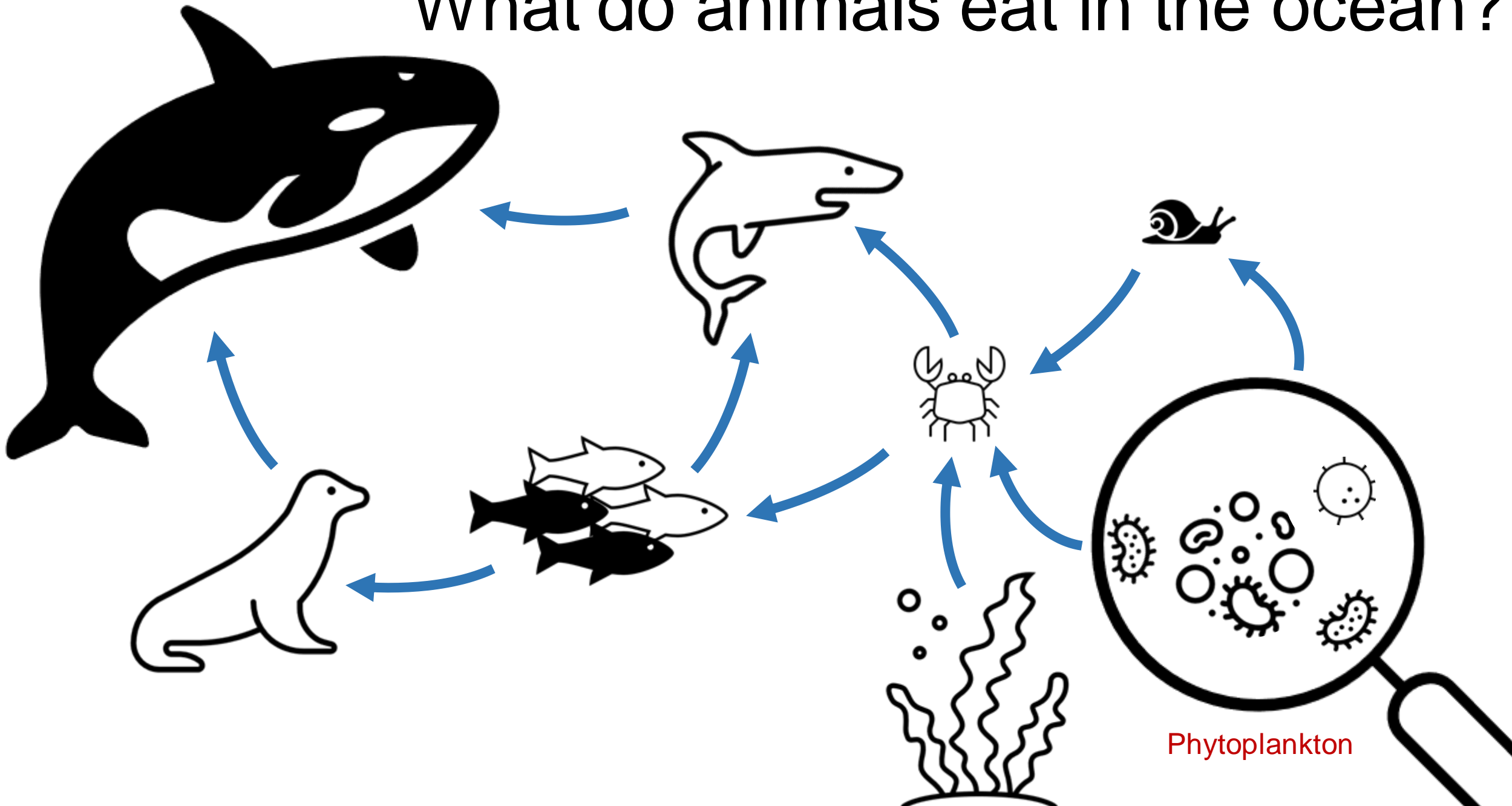
Dinoflagellates



Diatoms



What do animals eat in the ocean?



Time for a seawater scavenger hunt!

...but first a quick introduction to microscopes!

What is a microscope?



How small is small? How big is big?



A blue whale
30 meters



A sea turtle
3 meters

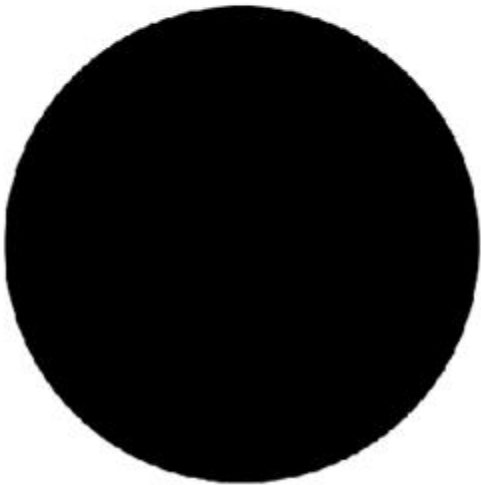


A copepod
3 millimeters



A diatom
30 micrometers

Comparing sizes



huge!



big!



small...

So small we need
a microscope



tiny...

When were microscopes invented?

2012

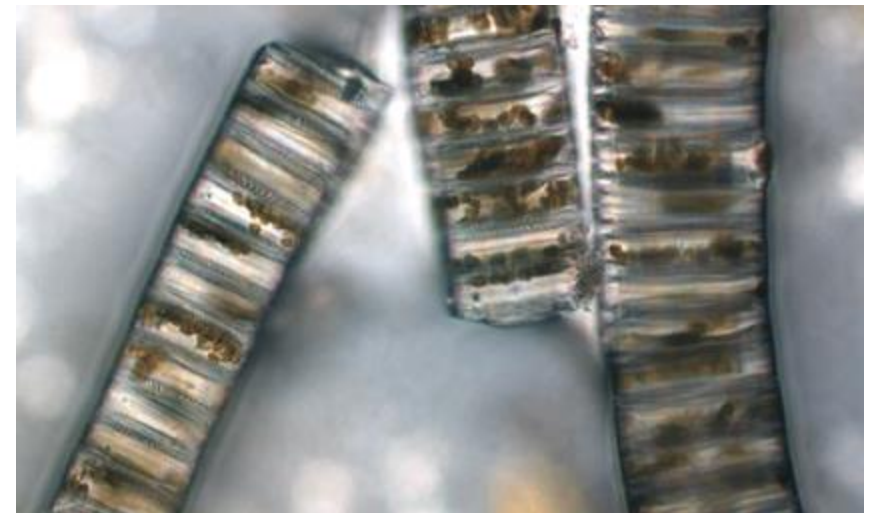
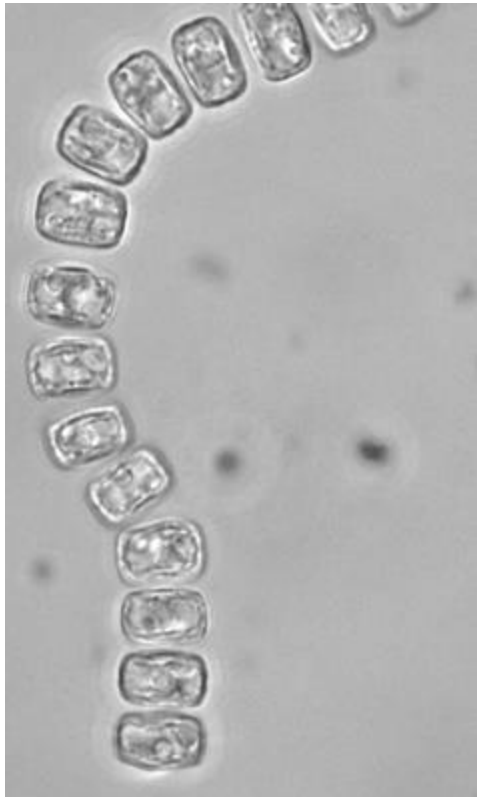
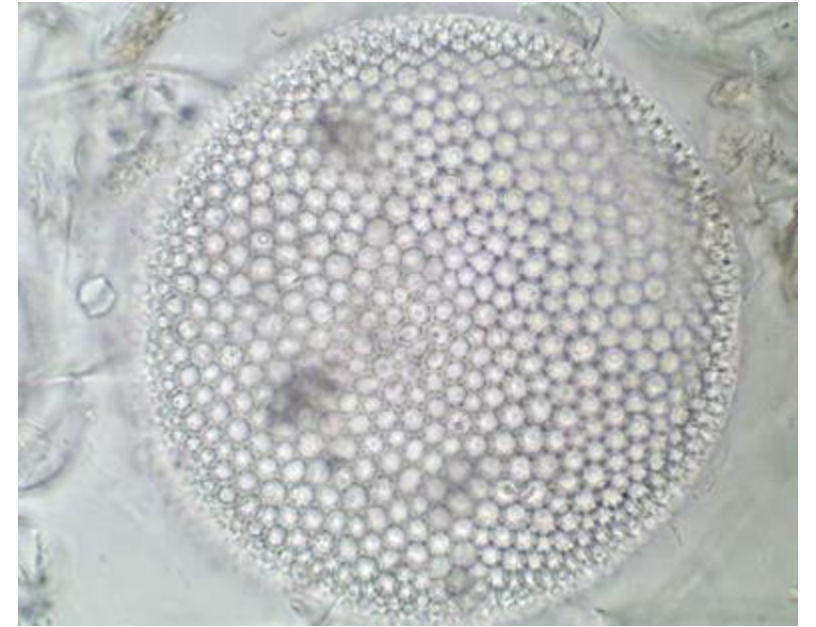
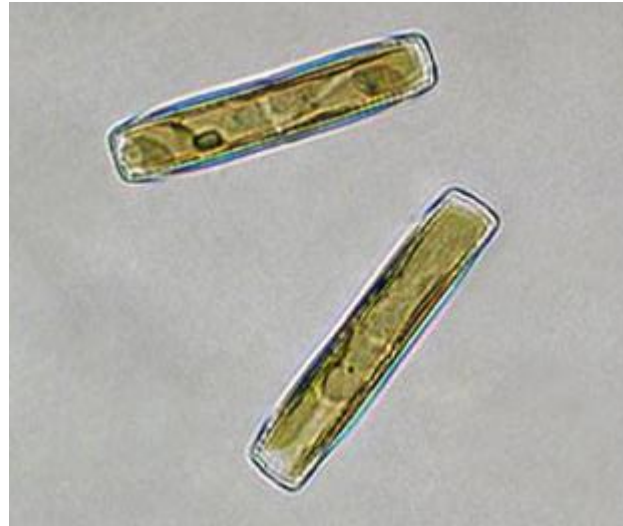


You today!

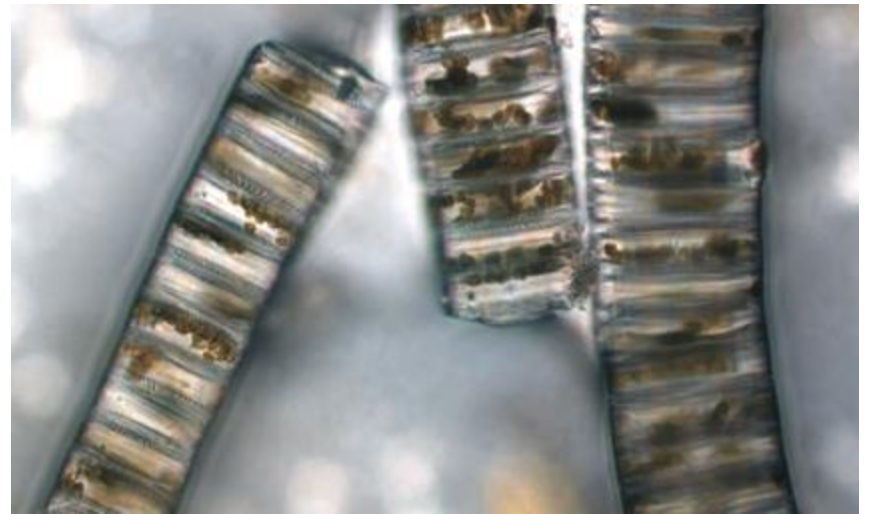
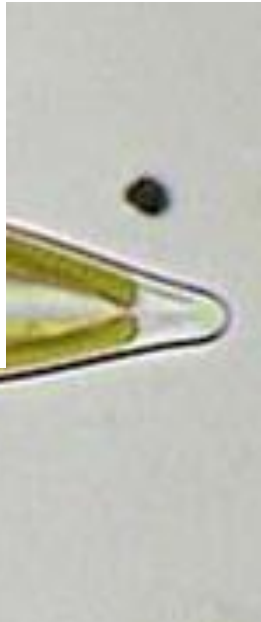
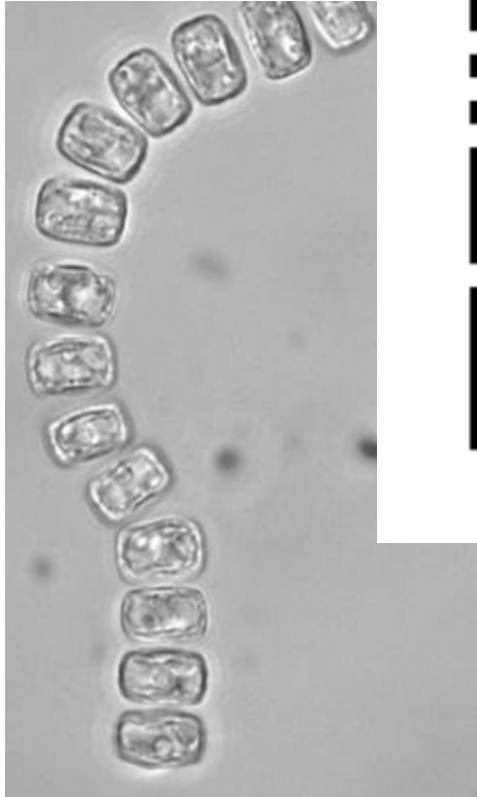
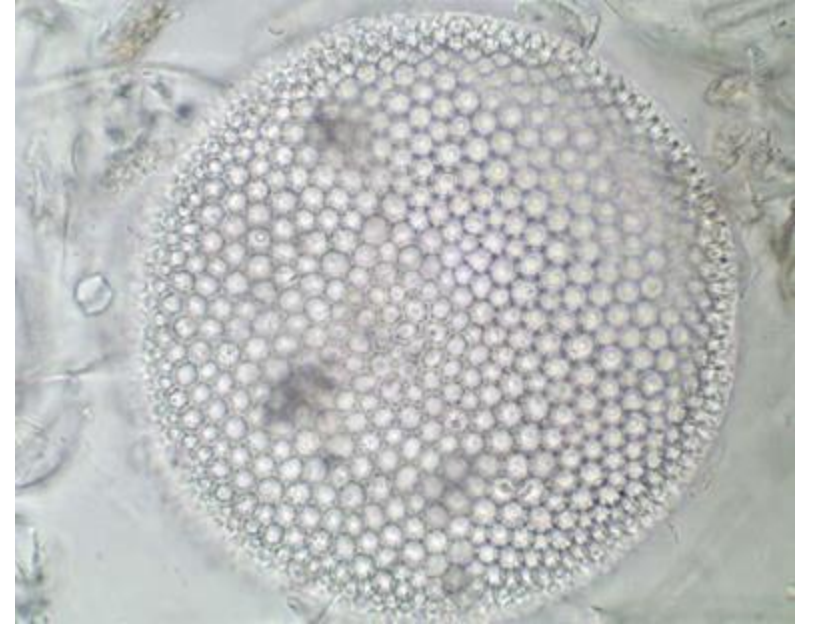
Time for a seawater scavenger hunt!

See you back here in 30 minutes!

How many did you find? What did you learn?



How many did you find? What did you learn?



Small things make a big impact!



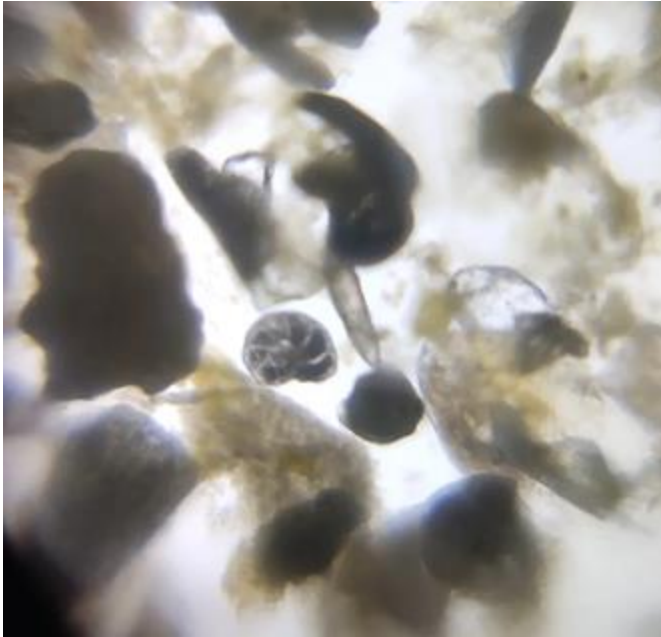




Now you are a microbiologist too!

Other things you can look at under your microscopes:

Sea water



Hair



Feathers



And anything else you want!

One advantage of this viewing method is the extra zoom you can get from your phone camera.



Hope you had fun - ***tell us what you want to see next with your foldscope*** in the chat!

How to use your foldscope:

foldscope.com/resources

