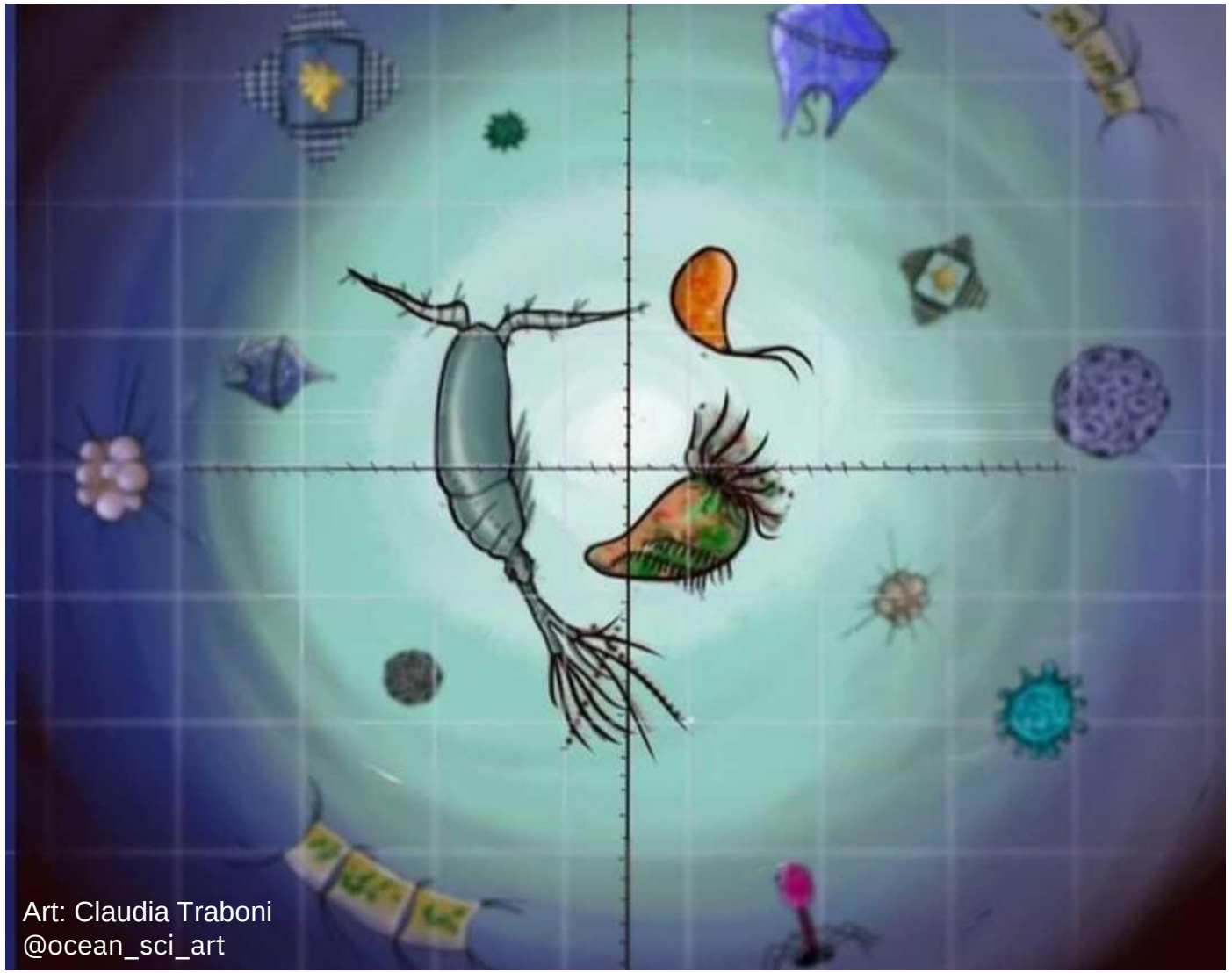
Session 2:

Think Like a Marine Biologist



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USC postdocs

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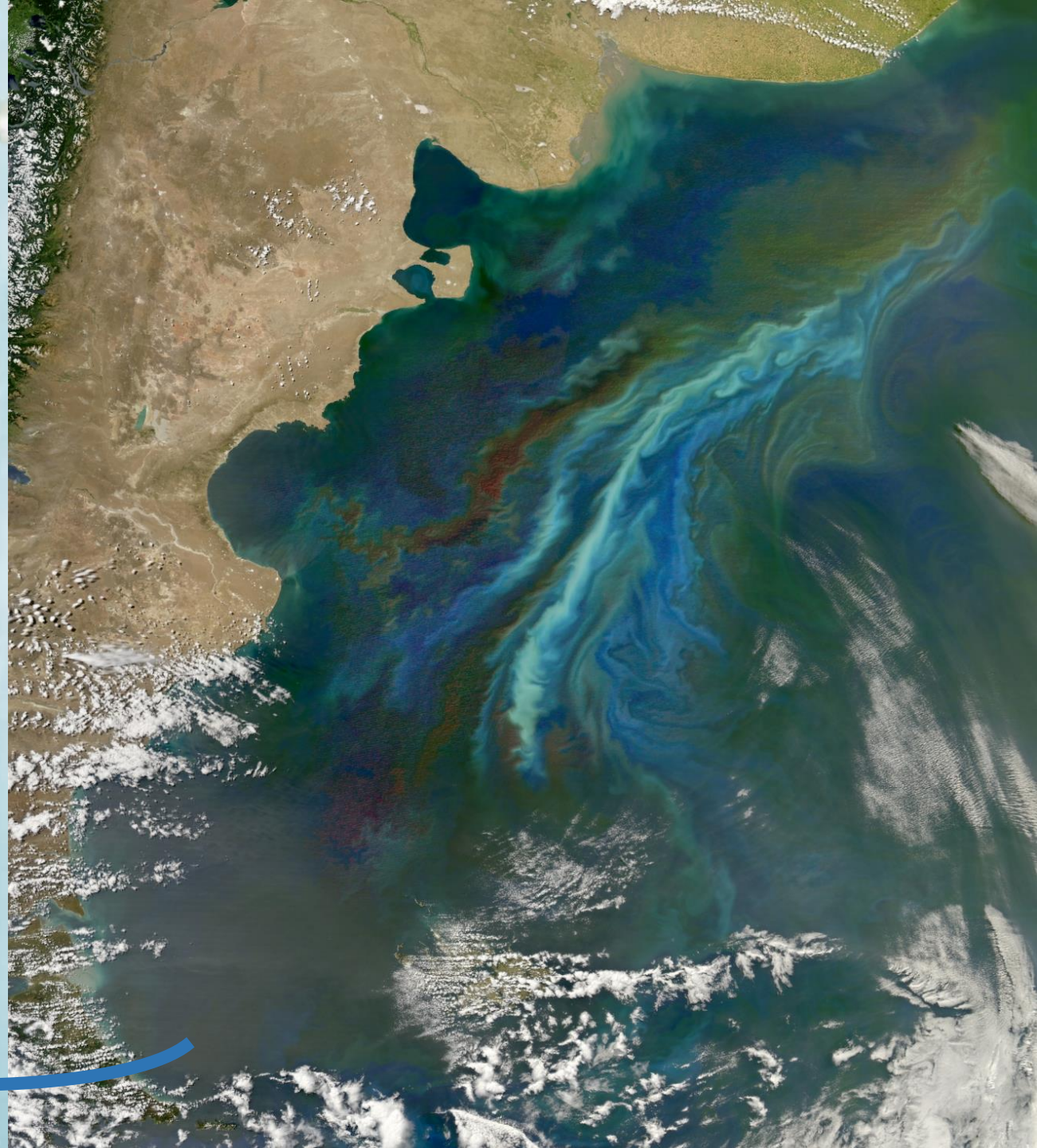
Suzana Leles
Trang Nguyen

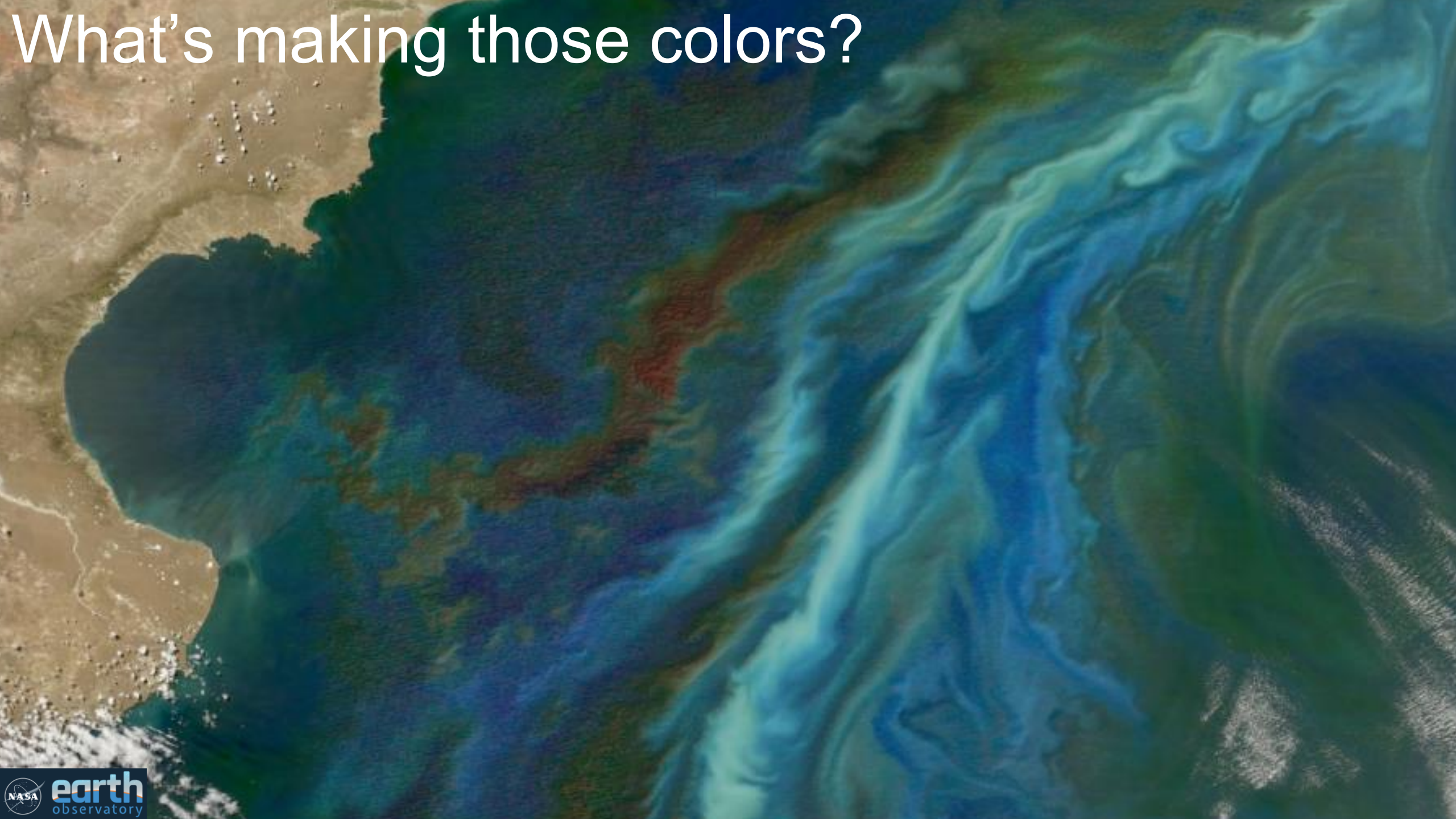
In collaboration with:
LA public libraries & NeiSci

What do you see?

We are here!

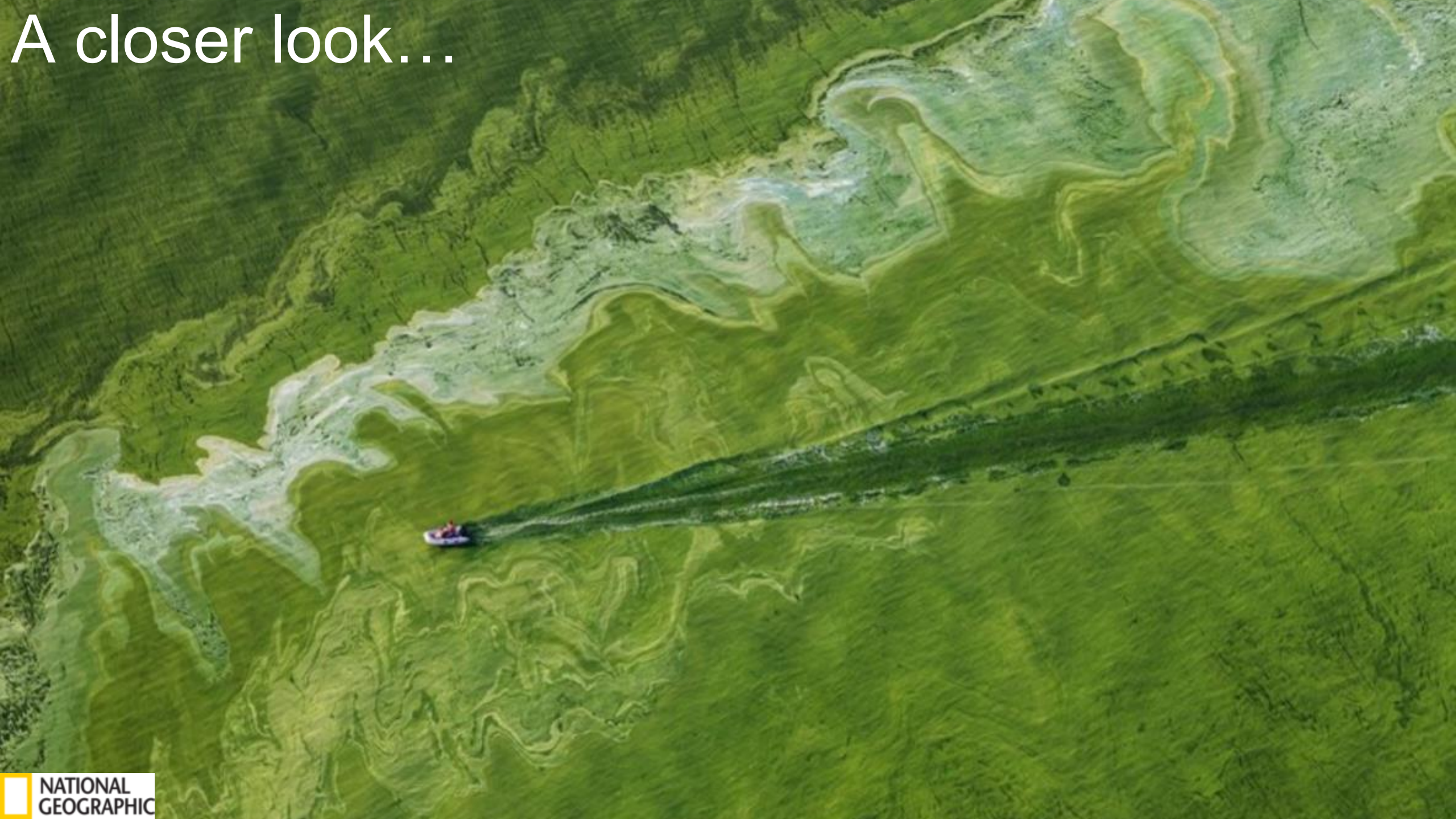


What’s making those colors?



NASA earth observatory

A closer look…



What’s growing in this aquarium?

Kai Schreiber

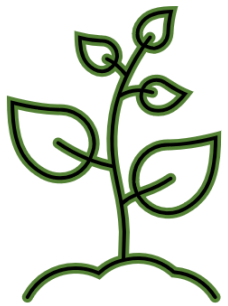
What’s in these bottles?

João Morais

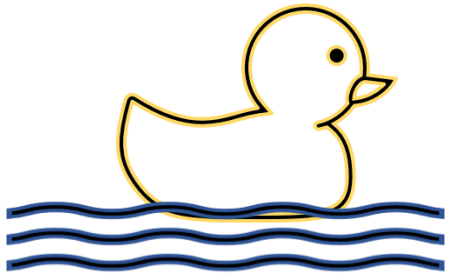
What's Phytoplankton?

Phyto + Plankton

"Plant"

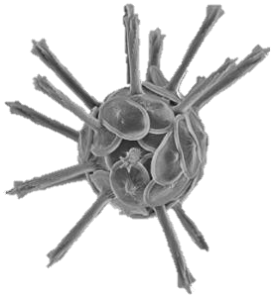


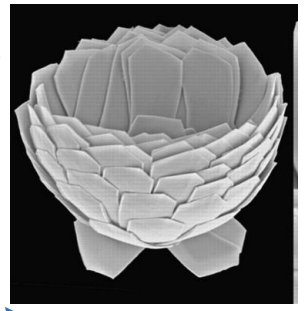
"Drifting"



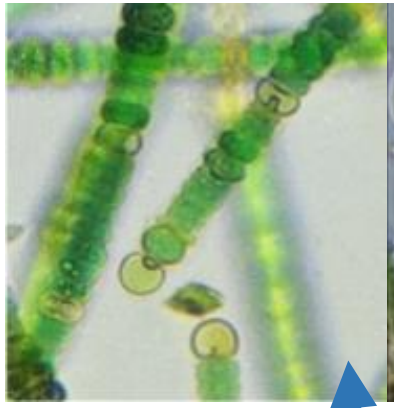
Types of Phytoplankton

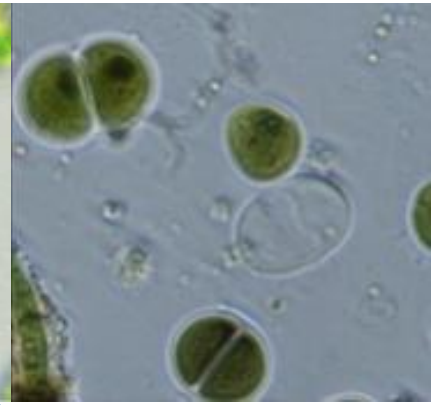
Coccolithophores



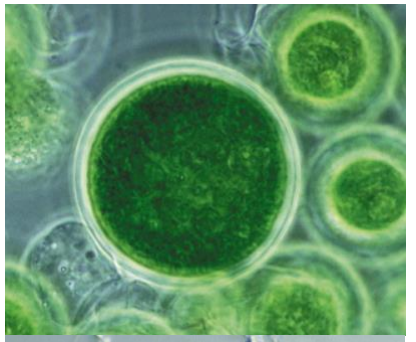


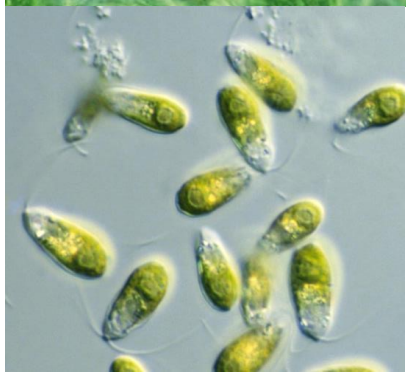
Cyanobacteria



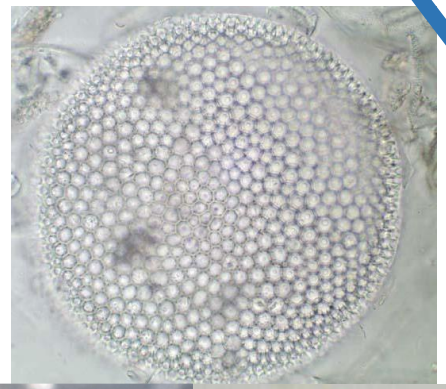


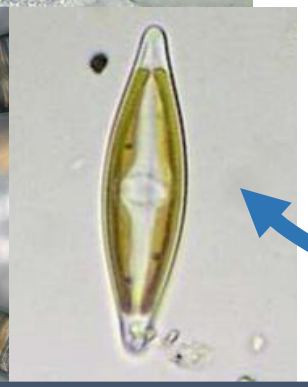
Algae



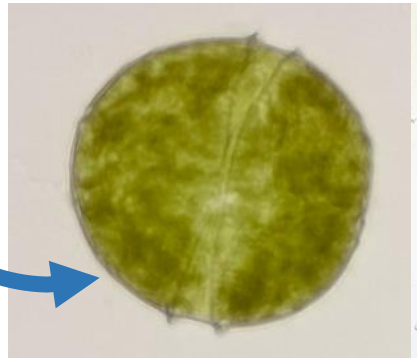


Diatoms

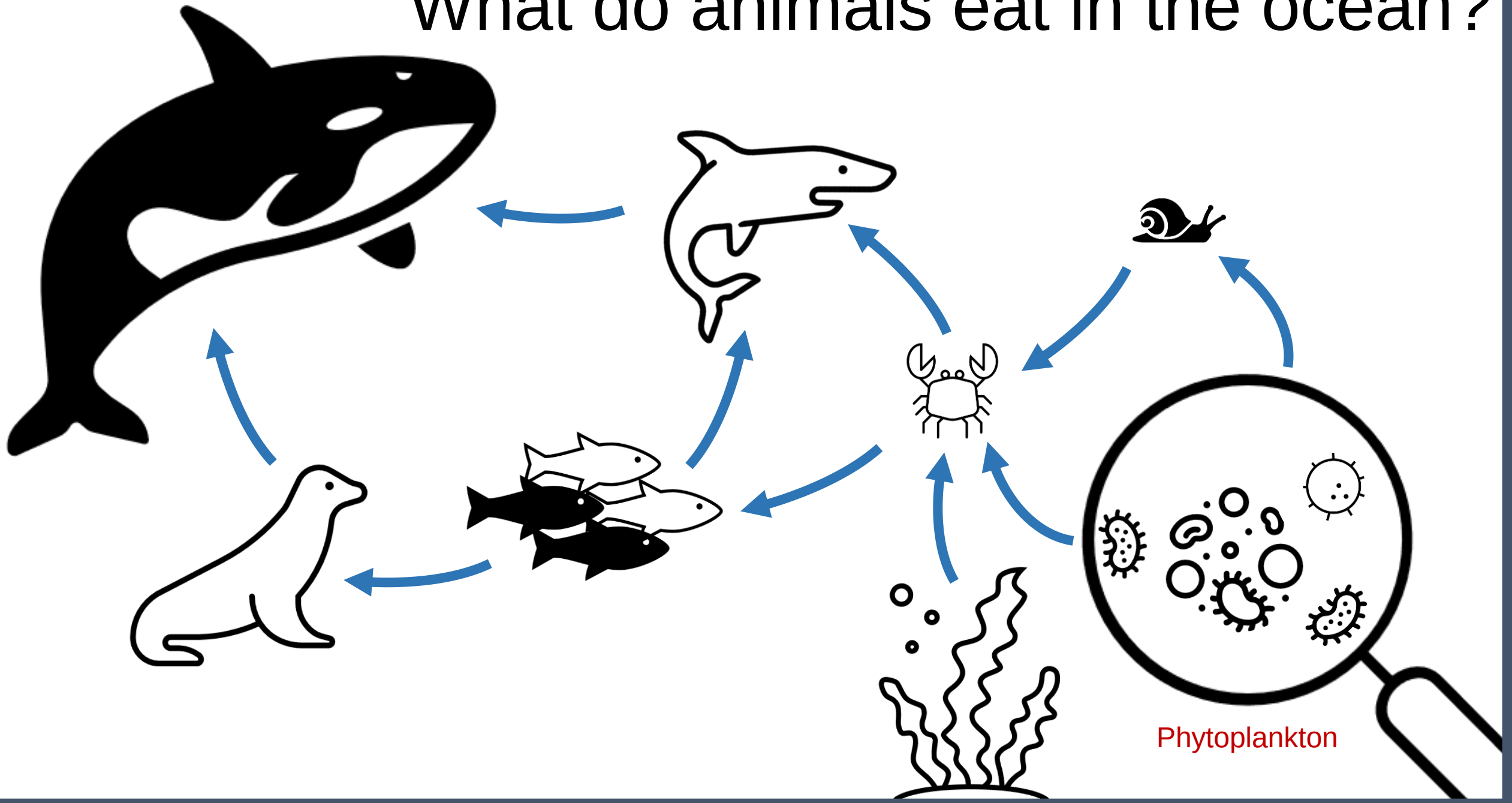




Dinoflagellates



What do animals eat in the ocean?



Time for a seawater scavenger hunt!

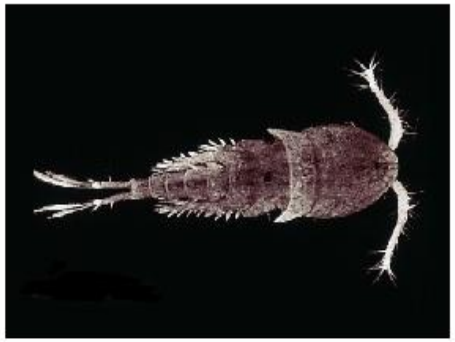
...but first a quick introduction to microscopes!

What is a microscope?

How small is small? How big is big?

A blue whale
30 meters

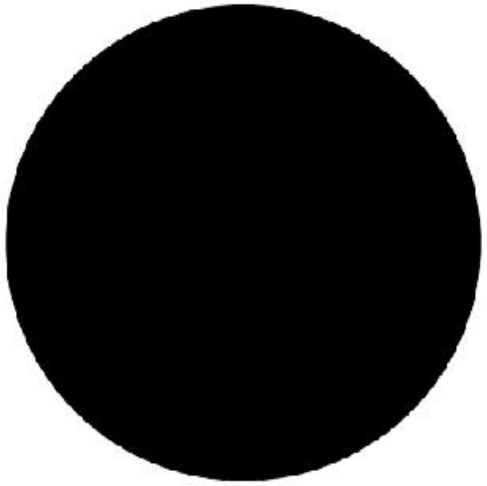
A sea turtle
3 meters



A copepod
3 *milli*meters

A diatom
30 *micro*meters

Comparing sizes



huge!

big!

small...

So small we need
a microscope

tiny...

When were microscopes invented?

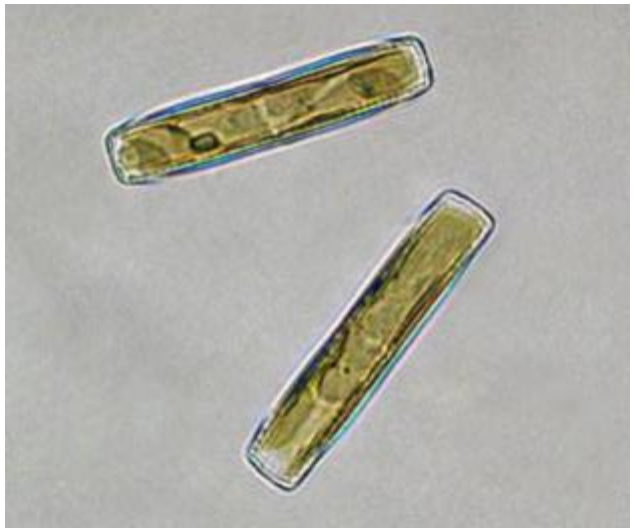
2012

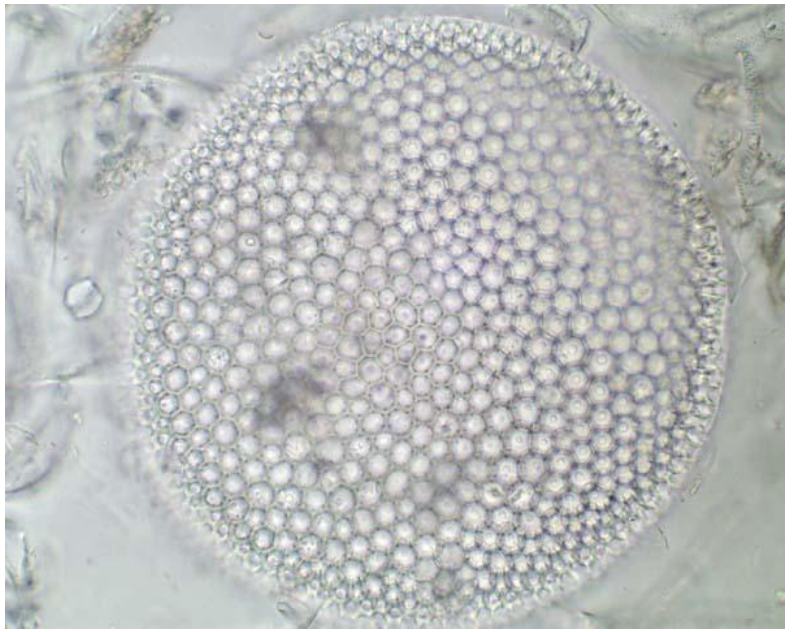
You today!

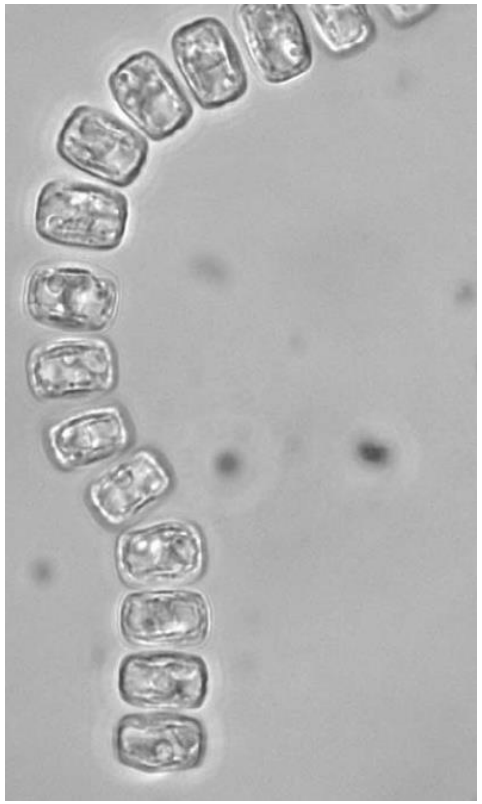
Time for a seawater scavenger hunt!

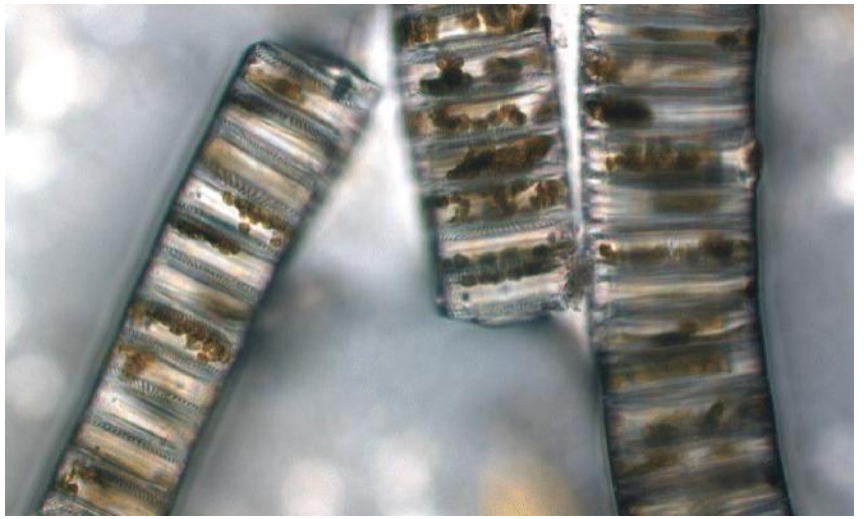
See you back here in 30 minutes!

How many did you find? What did you learn?

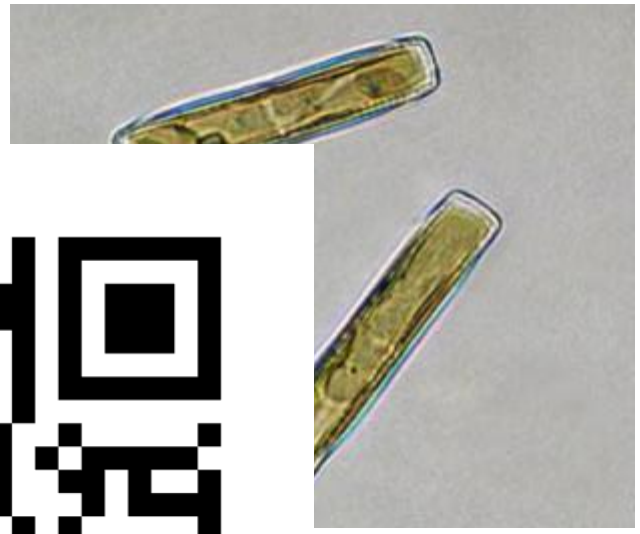


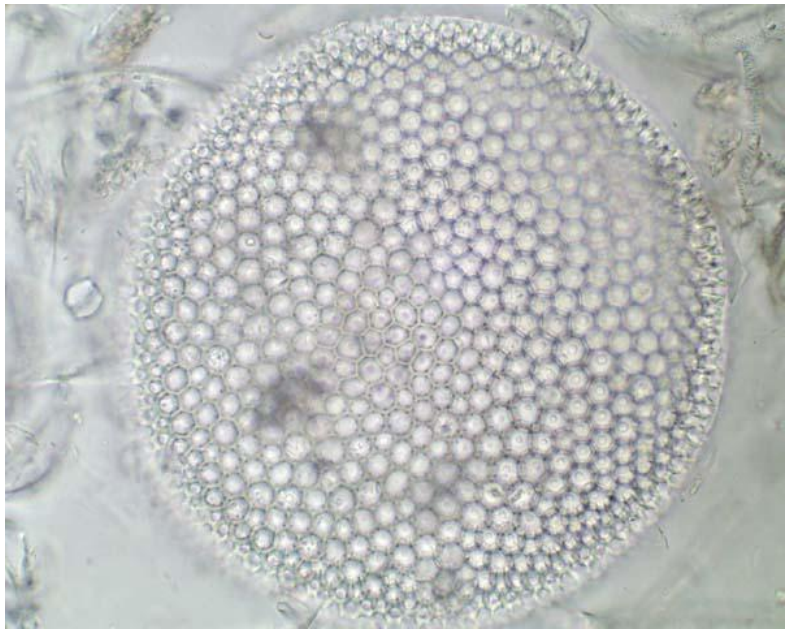


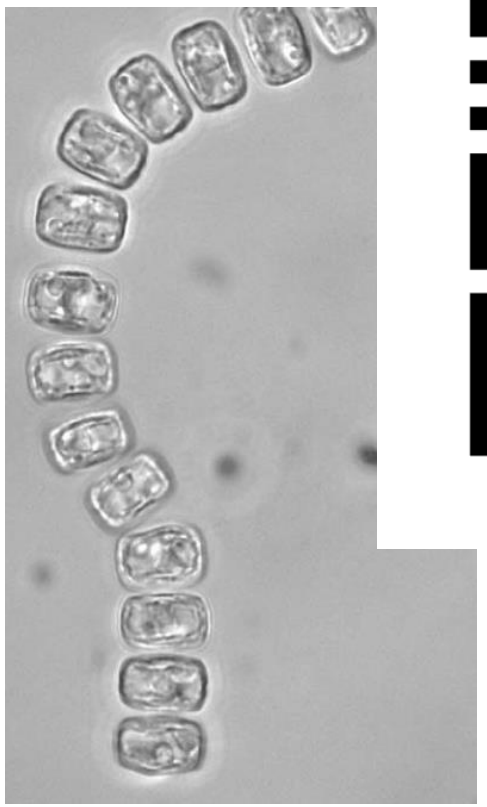


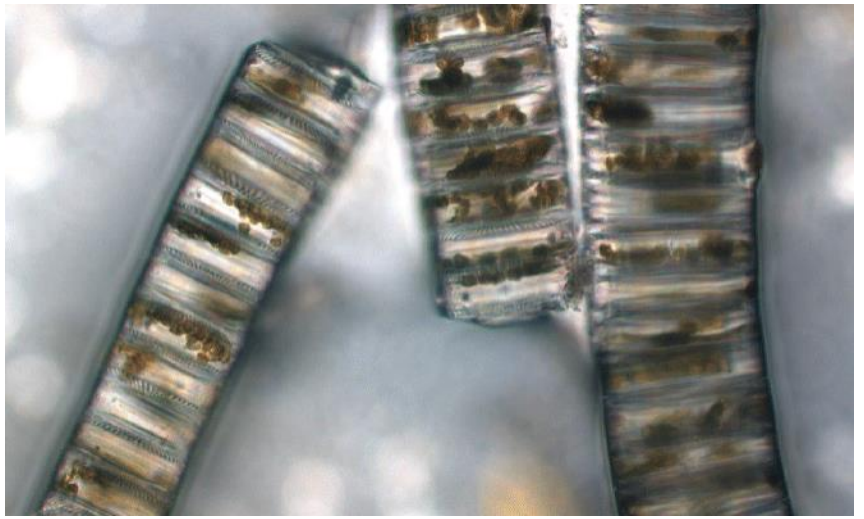


How many did you find? What did you learn?

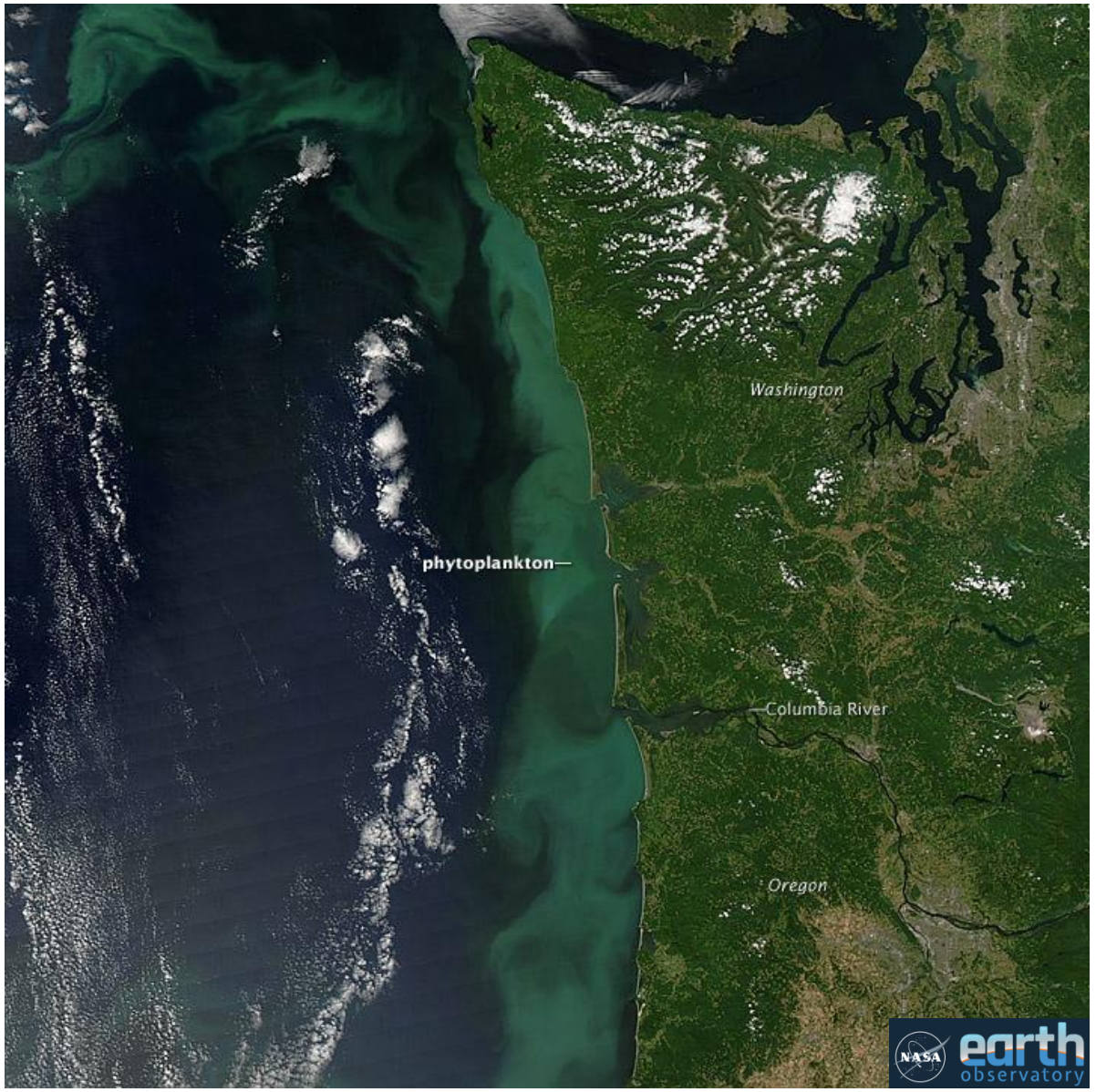








Small things make a big impact!



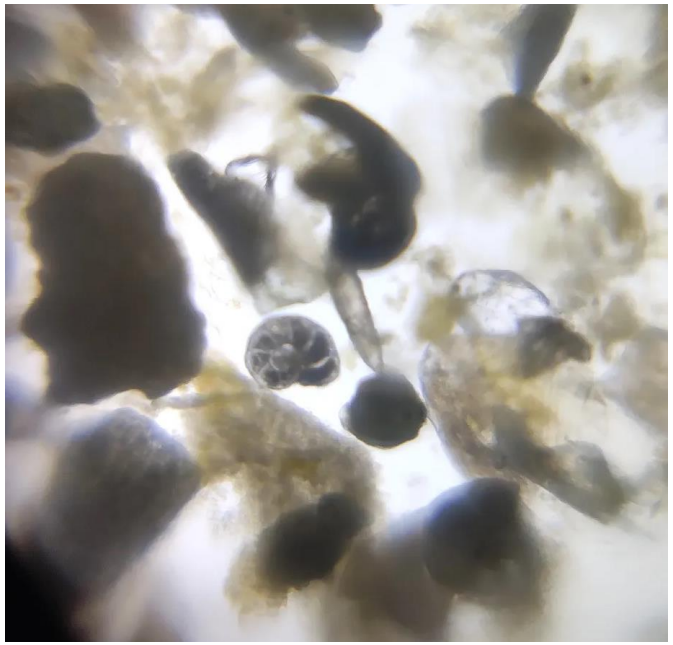

4Ocean


Scripps Institution of Oceanography

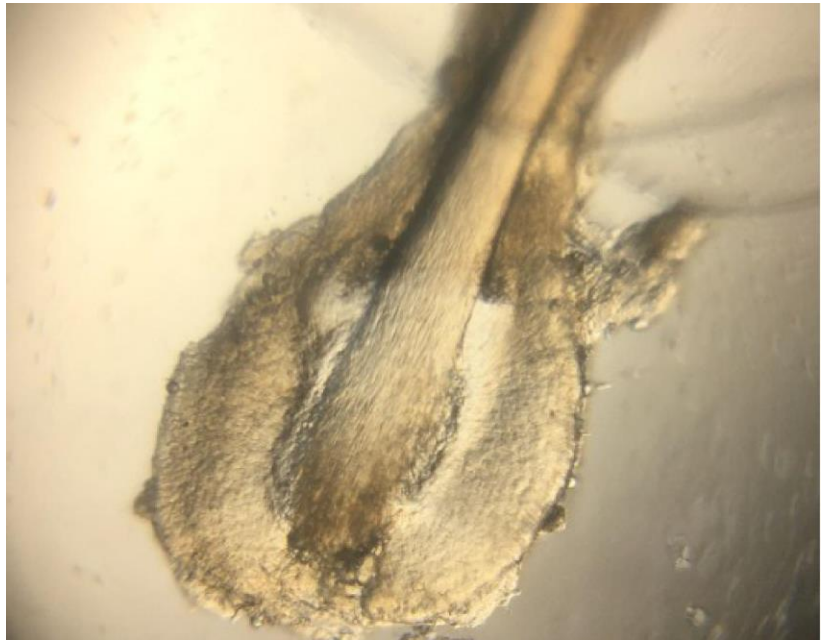
Now you are a microbiologist too!

Other things you can look at under your microscopes:

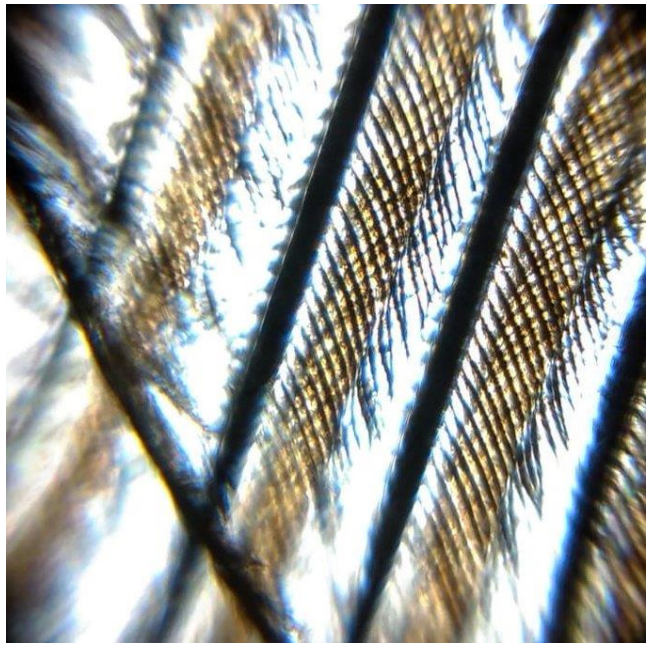
Sea water



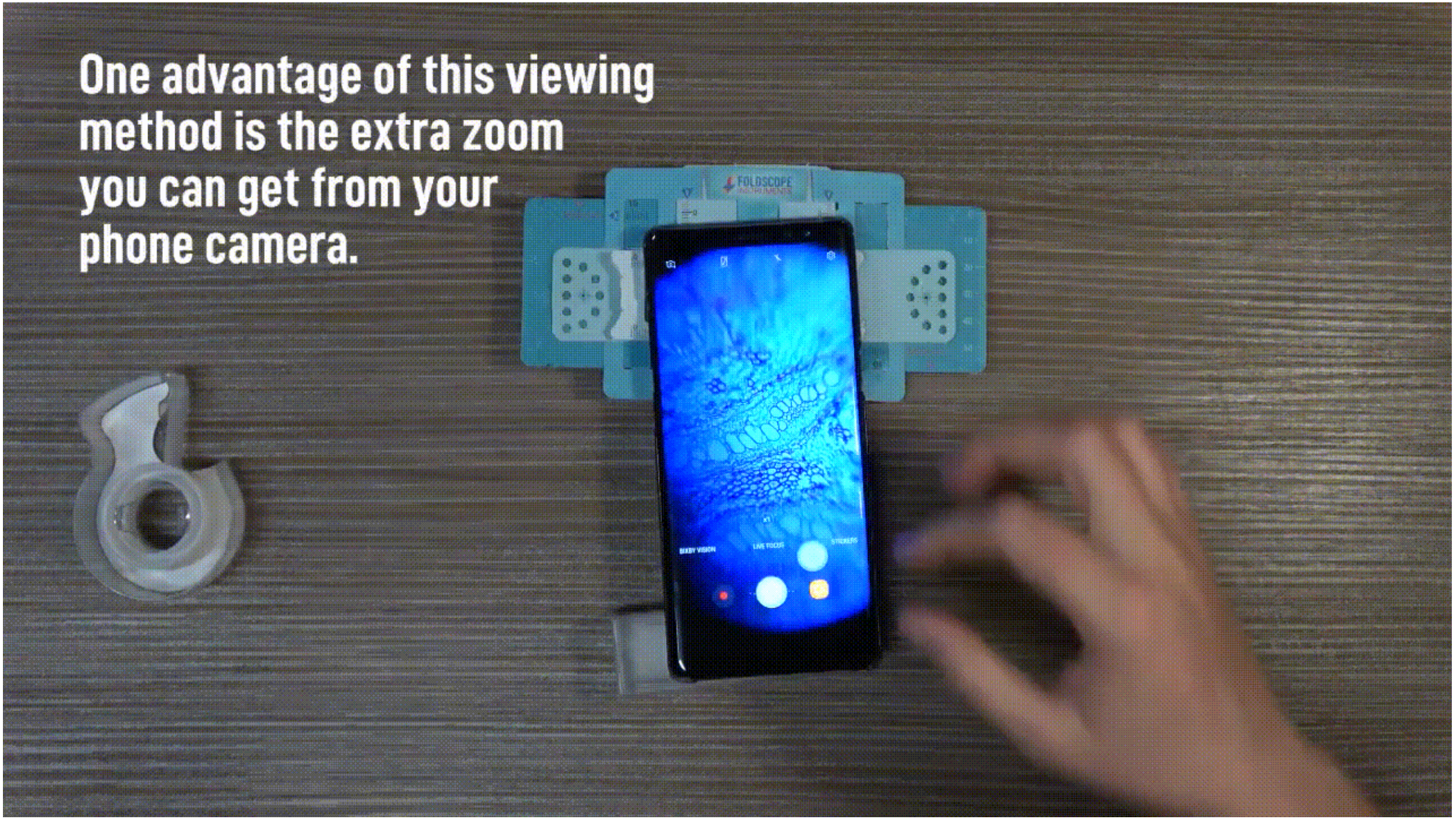
Hair



Feathers



And anything else you want!


One advantage of this viewing method is the extra zoom you can get from your phone camera.
FOLDSCOPE
BIXBY VISION
LIVE FOCUS
STICKERS

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