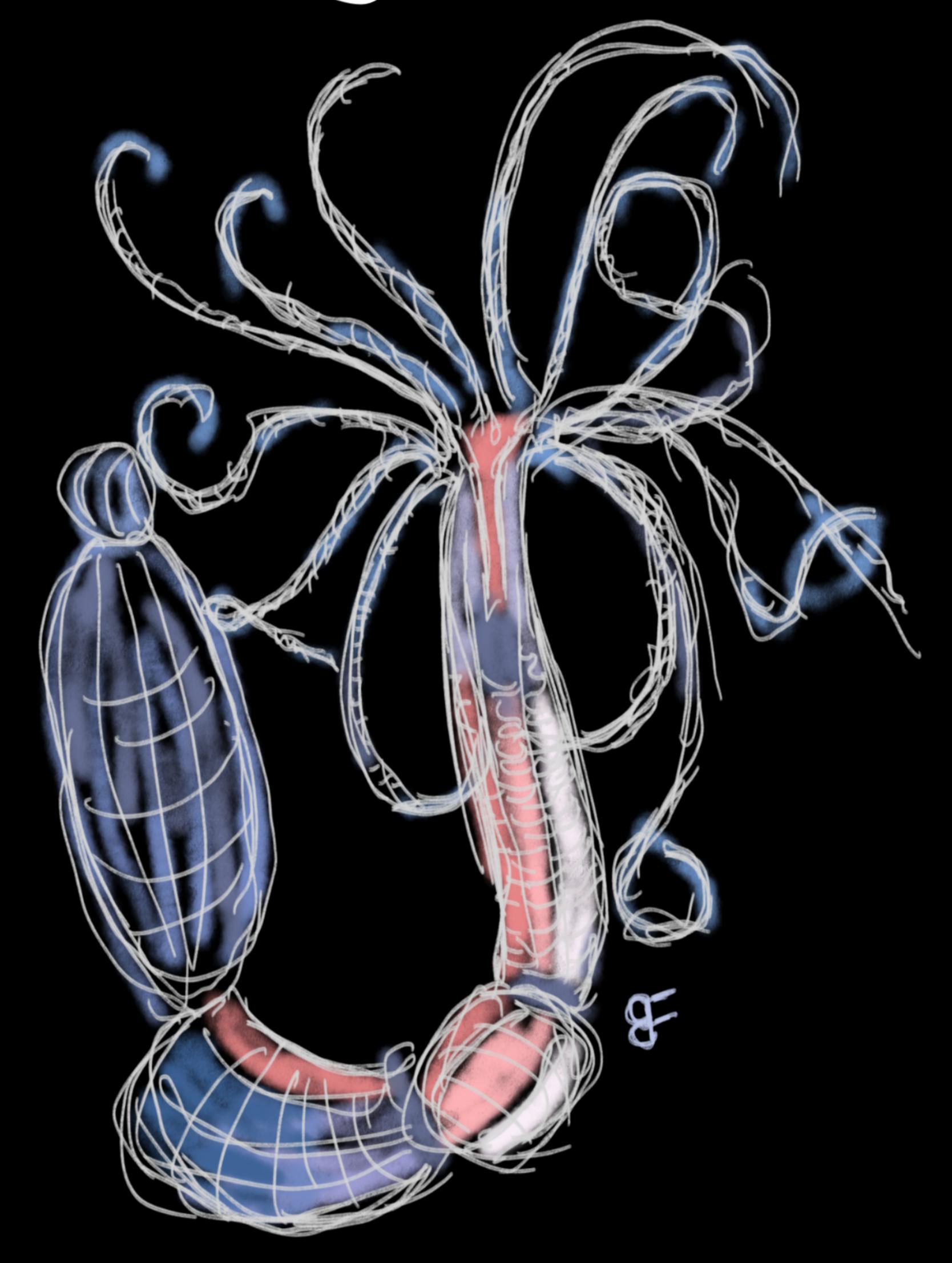
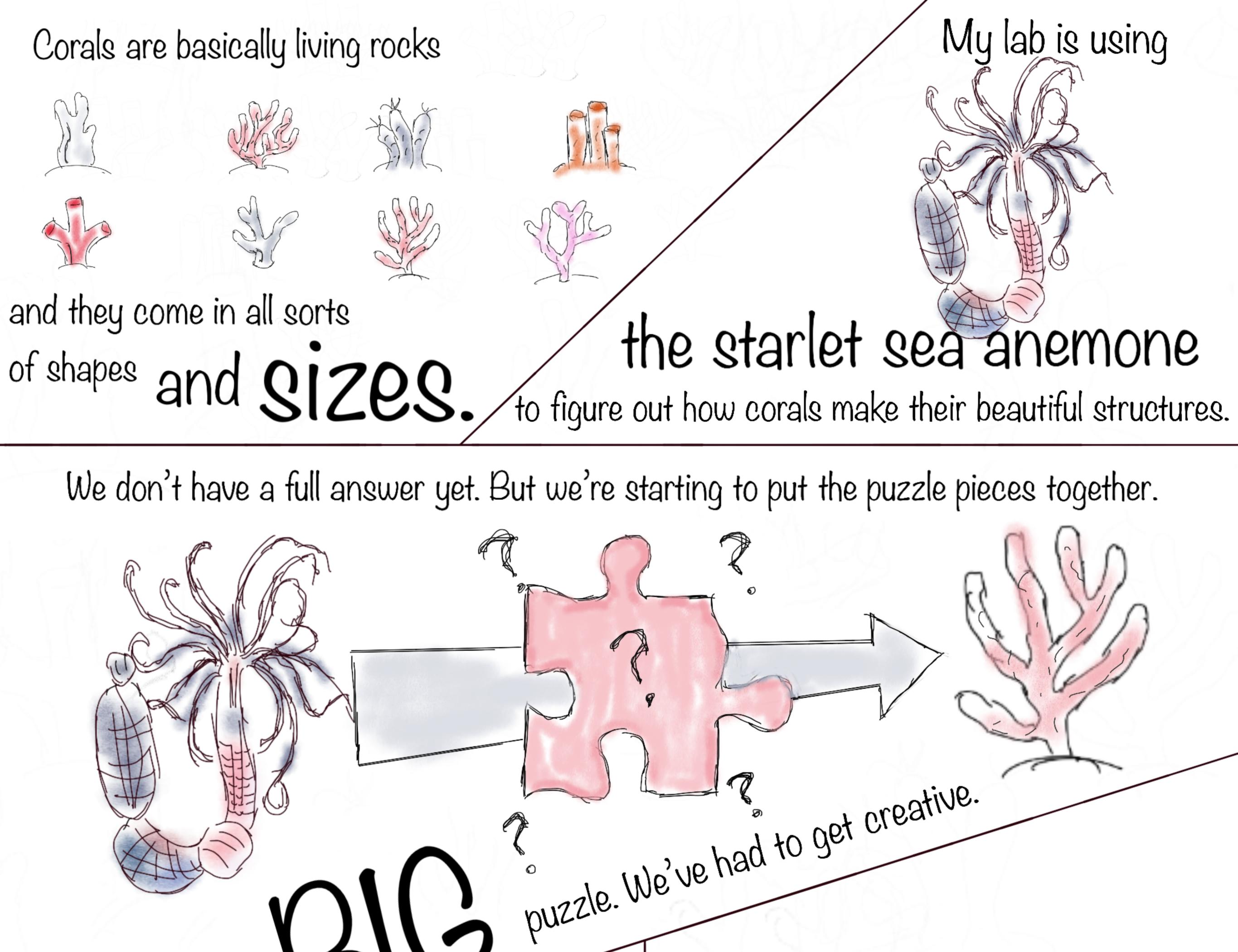
Riging starlet:



How soft-bodied anemones are helping Whitney Lab biologists solve hard problems



Corals live in the ocean, where there's a lot going on. | It's hard to see all the details. Some scientists try to take corals back to their labs

to get a closer look at them.

Except...

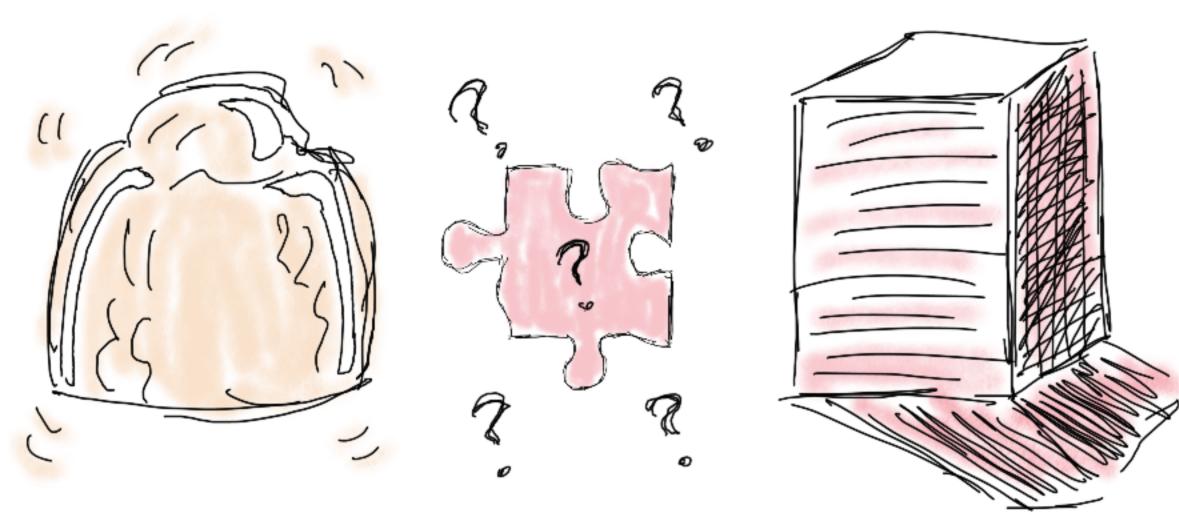
... corals don't like growing up in labs.



But our anemones like it juuuust fine.



There's just one problem anemones are soft, like Jell-O.



It seems silly to use Jell-O to learn about making something hard, doesn't it?

But when we started looking deeper ... I

... we saw that anemones had most of the tools to make hard structures like corals.



under a microscope, we knew the anemone was making Then we injected it into our anemones. the coral molecule.



But the tough part was figuring out if the coral molecule was doing its job.

We struggled for

We took a coral molecule

for building reefs.

that we thought might be important

(we made it glow red!)

2 uears!

Then, just 5 months ago, one of our scientists had



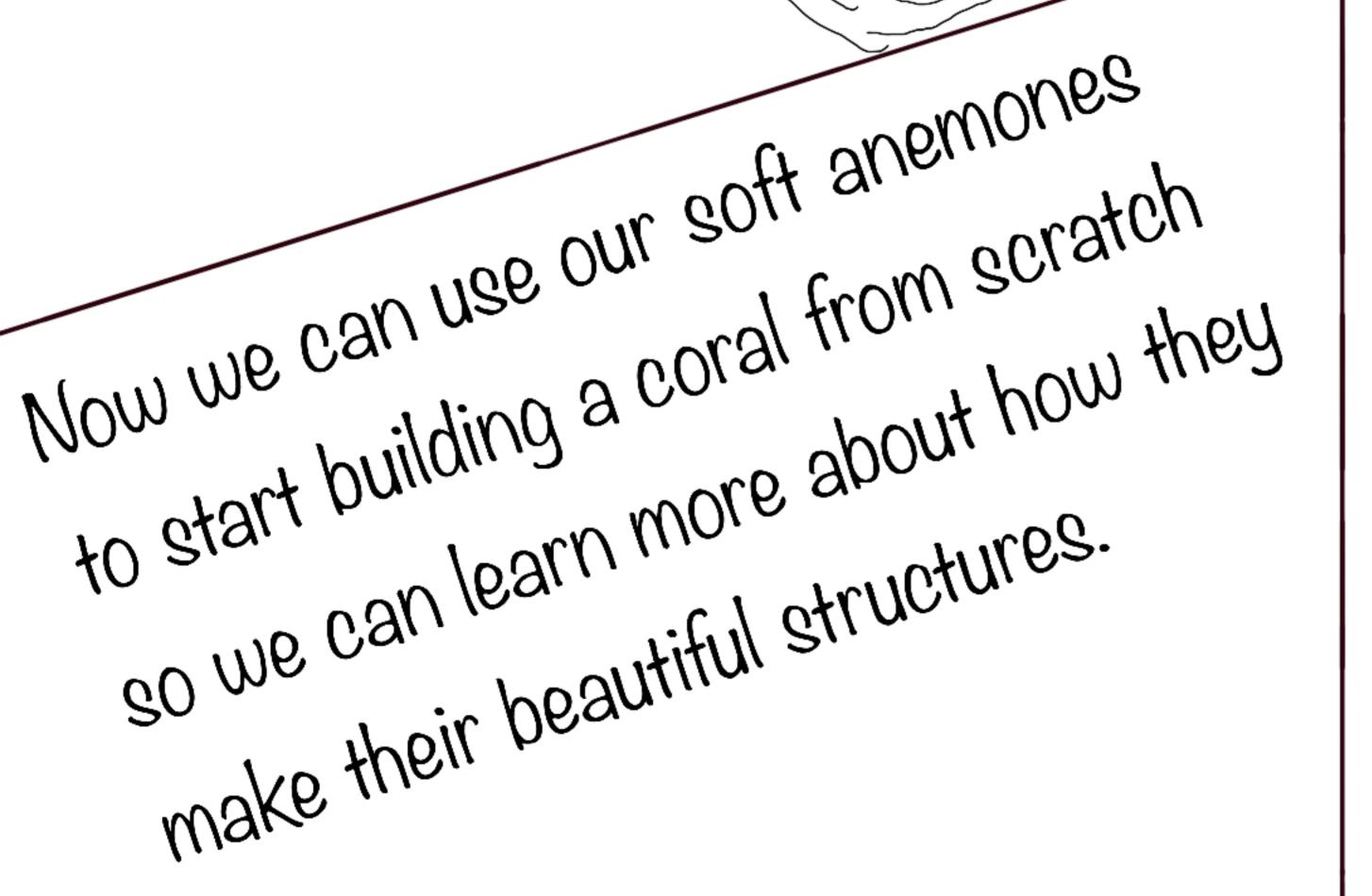
She took the anemone and soaked it in a special dye that glows blue when it touches calcium, a key ingredient of coral's rocky structure.

ient ofcoral's rocky structure.

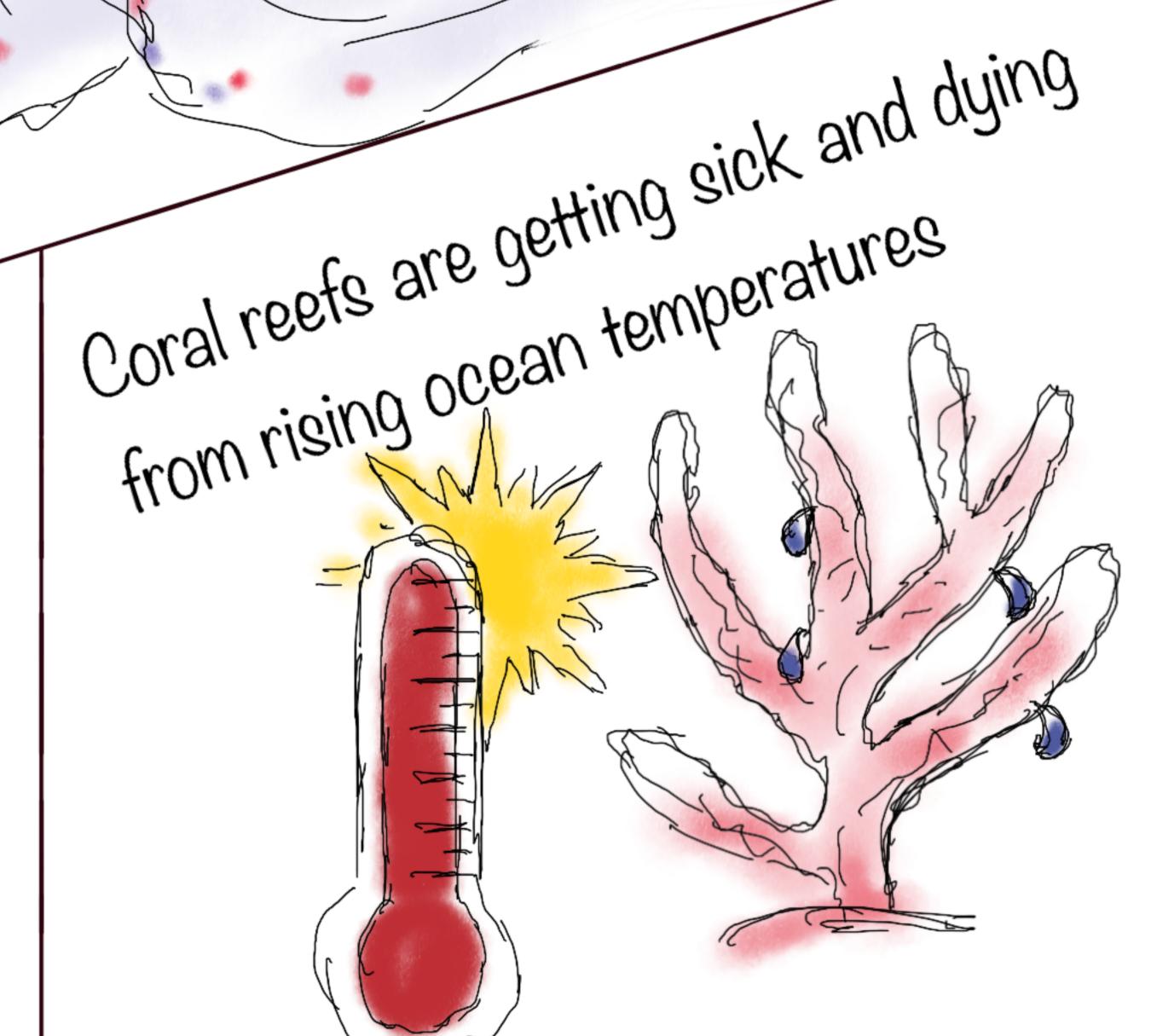
If our coral molecule overlaps with our blue dye



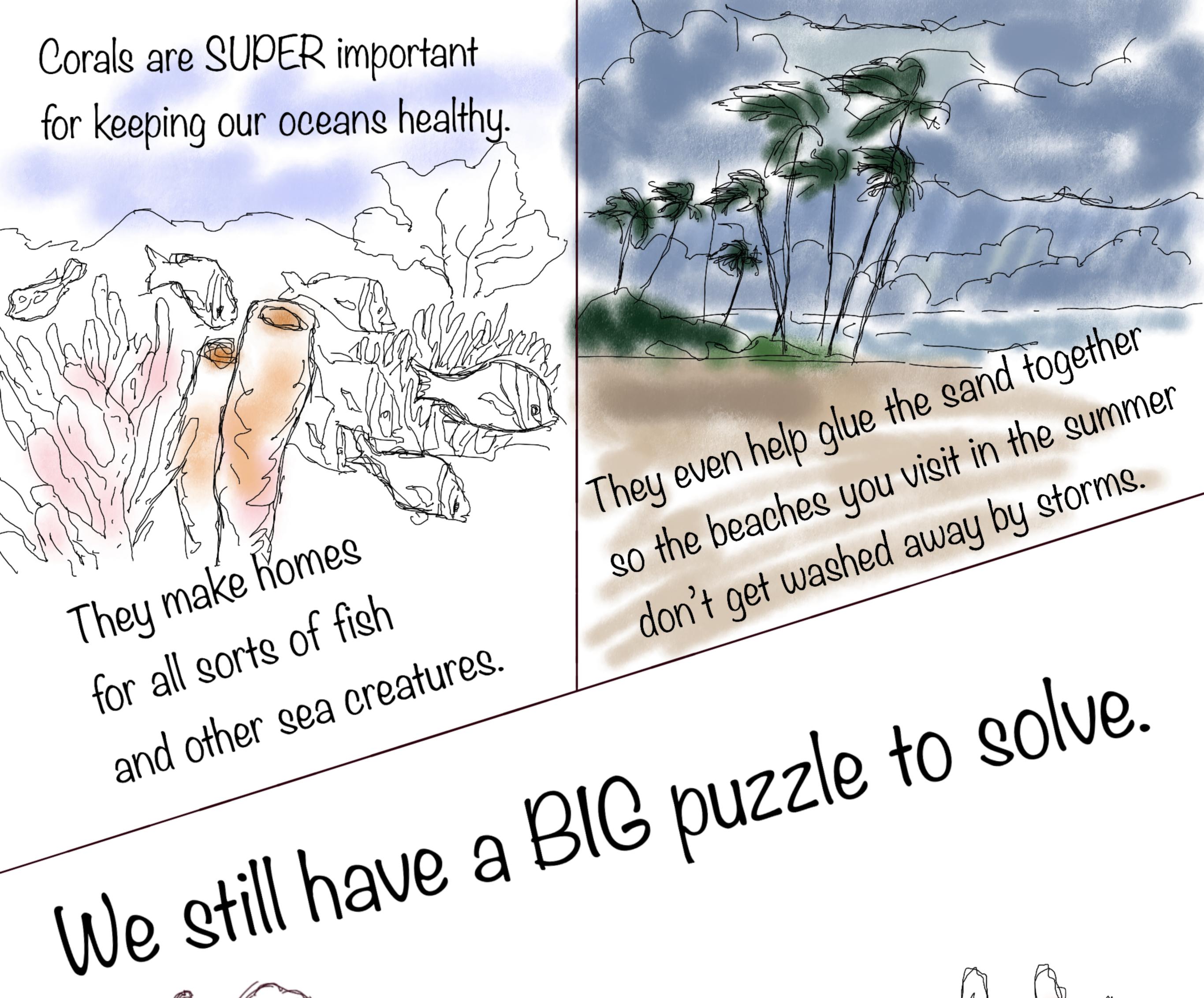
That's EXACTLY what we saw!

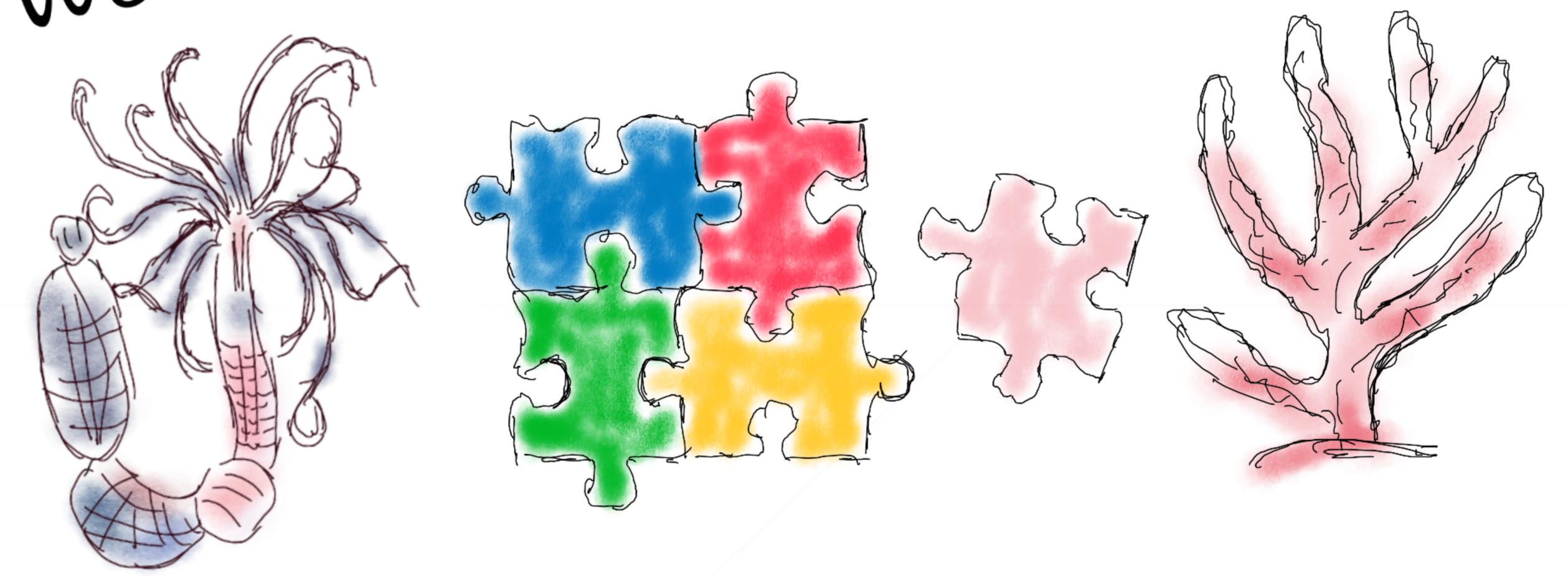


And just in time...



And because we know so little about them, it's been tough trying to figure out how to get them healthy again.





But with our anemone, we now have a new set of tools to fit the pieces together.