

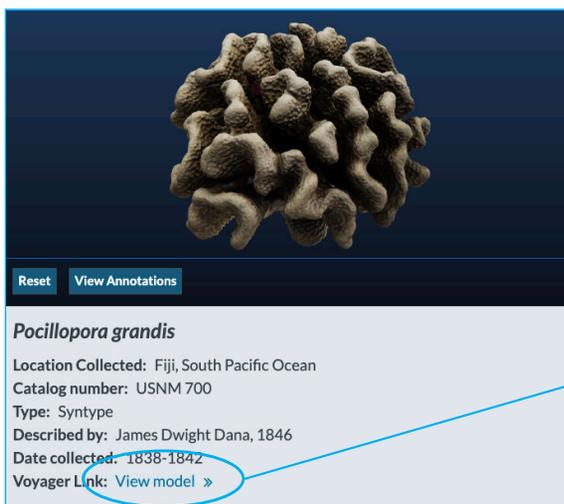
Explore 3D models of coral

Let's take a closer look at corals! Explore different shaped corals from all angles using 3D models!

What you'll do:

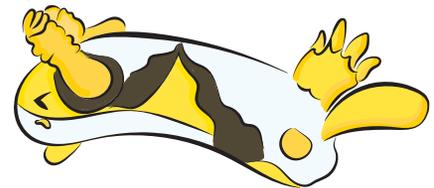
Open the link to view 3D models of corals. You can zoom in, spin them around, slice them and even view them in x-ray vision! Try and figure out how each coral might help other animals hide.

1. Go to this link <https://3d.si.edu/corals/coral-community>
2. Select "View Model" beneath the coral species you wish to explore.



I'll give you
a tour of my
home!

Nudibranch
(sea slug!)



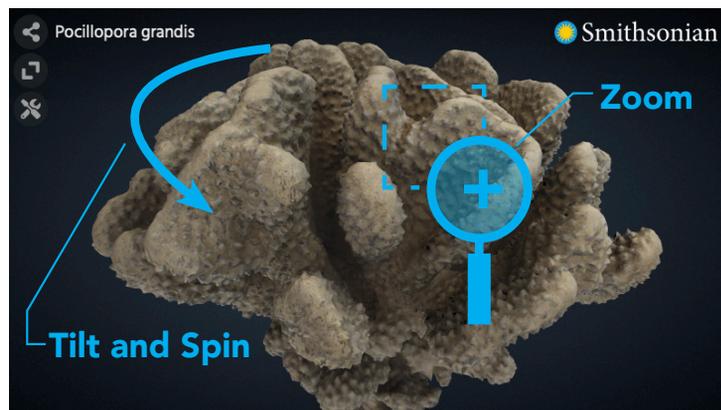
Select "View Model."



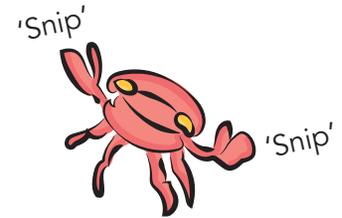
3. Wait for the model to load, then select the "Full Screen Mode" icon:

4. **Tilt and Spin:** Click and drag your mouse to tilt and spin the 3D model around.

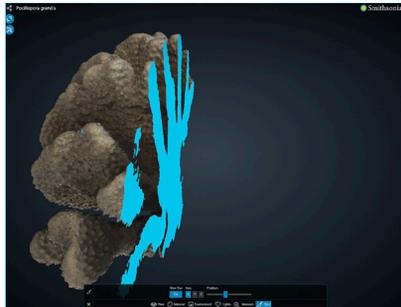
5. **Zoom In and Out:** Hold the "option key" (Mac), or "command key" (Windows) while you click and drag your mouse to zoom in and out.

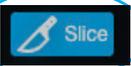


6. **Viewing Options:** Select the "Tools" icon to cut, color and view in x-ray vision.



Cut



Select "Slice." 
 Select "On" and move the slider back and fourth.



Color

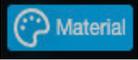


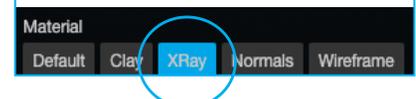
Select "Lights." 
 Click the color square and use the slider.



View in x-ray



Click "Material." 
 Select "X Ray" and explore.



7. Select another species! View another 3D model!



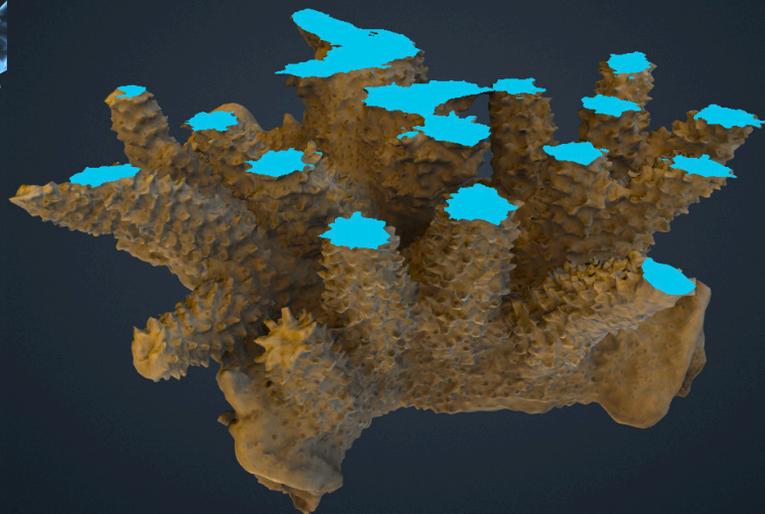
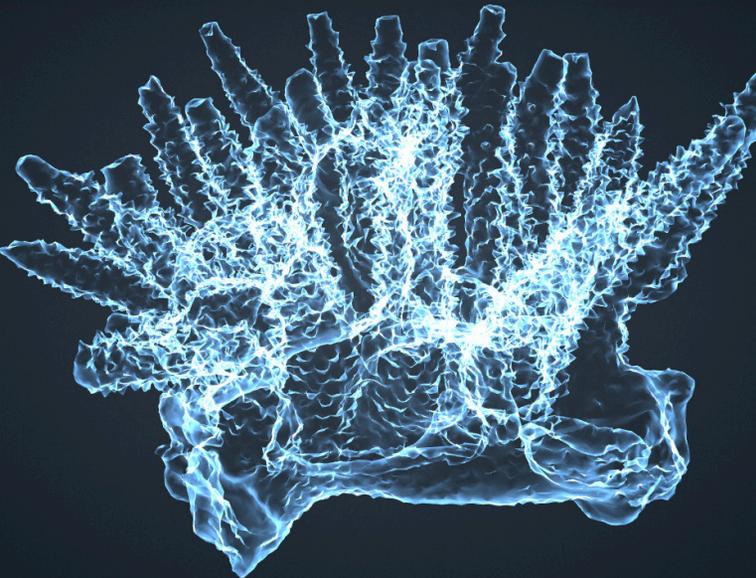
3D Models of Corals

If you don't have access to a computer, don't worry! Pay close attention to and observe these 3D images of coral. What can you learn from them?

Acropora Cervicornis Staghorn coral



The staghorn coral is a warm water coral with cylindrical branches ranging from a few centimeters to over two meters in length. It can grow at depths between 0 meters and 30 meters.



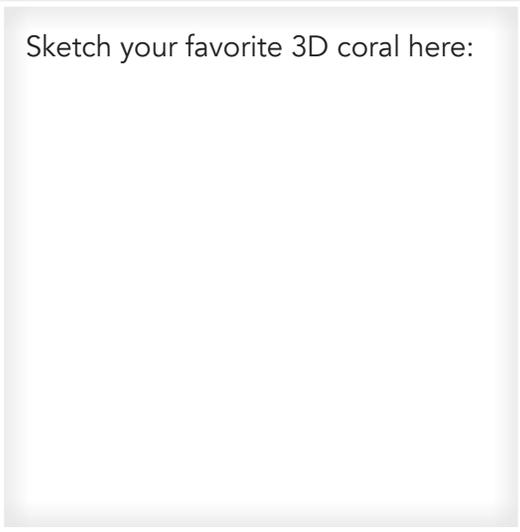
My Observations

After you explore and observe a few types of coral, record your thoughts and observations here.

Which was your favorite type of coral to explore?

How would you describe this coral to somebody who has never seen it.

Sketch your favorite 3D coral here:



Do the corals remind you of anything you see on land? If so, what are the similarities?

Why do you think fish and other ocean animals like living in or near corals?
