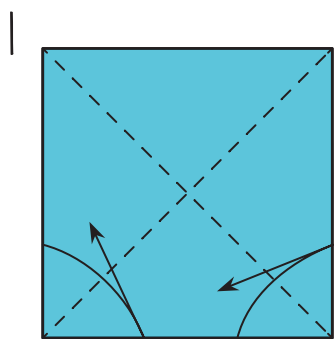
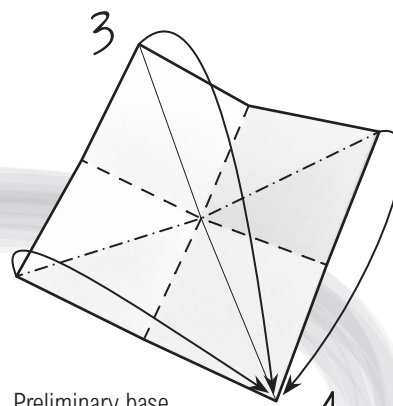
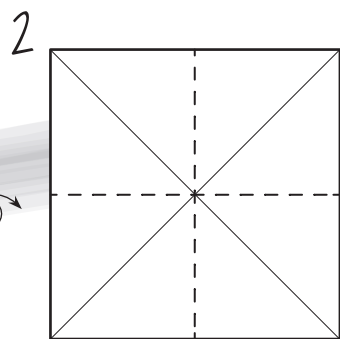


# Centric diatom

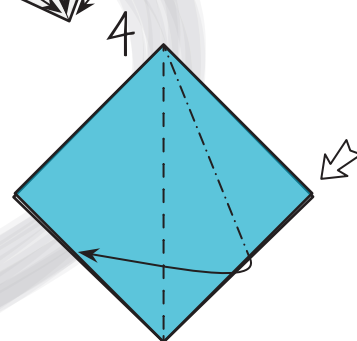
Designed by Neil Banas  
Diagrammed by Dáša Ševerová



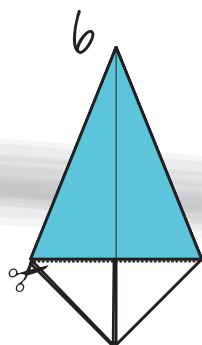
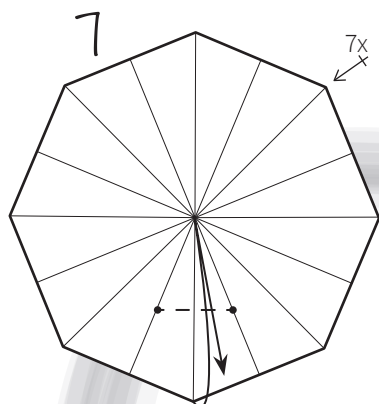
Use 30 cm (12") square or bigger for the first try.



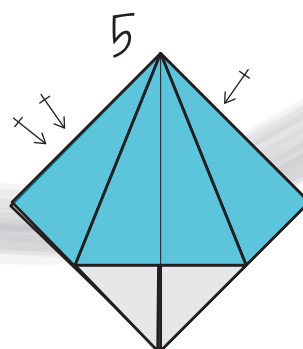
Preliminary base.



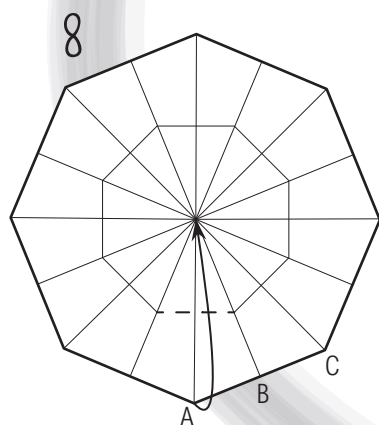
Squash the flap.



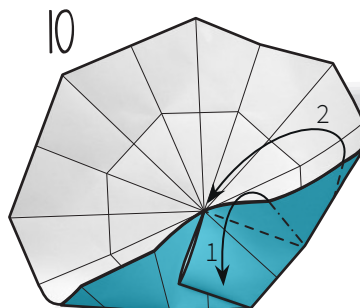
Cut the paper to obtain an octagon. Unfold.



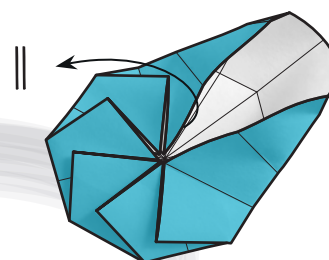
Repeat 3 more times.



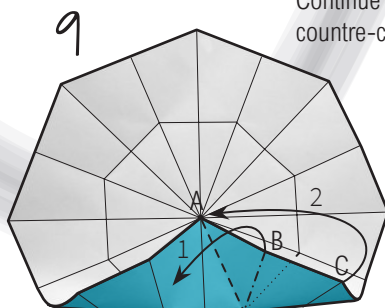
Bring the first corner (A) to the centre using existing fold. See the next step for the reference.



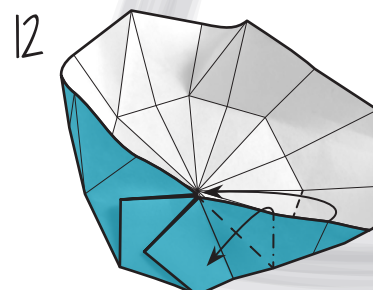
Continue in the same way countre-clockwise.



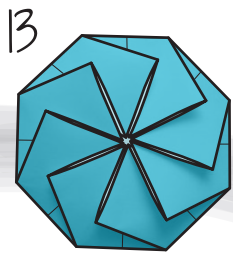
Once you did most of them, open the firstly made ones to get some space to finish.



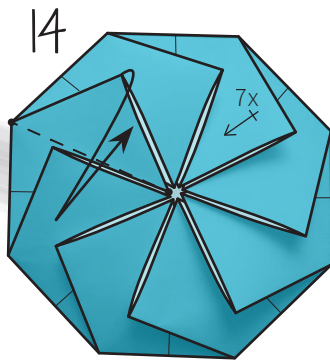
Pull the mid-point (B) to the side while bringing the next corner (C) to the middle. See the next step for the reference.



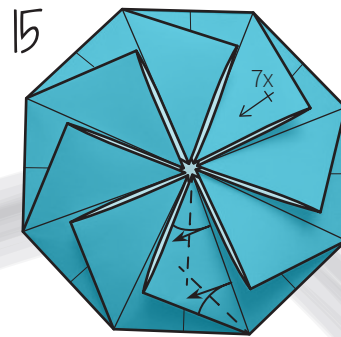
Continue till everything is prefolded and collapse completely.



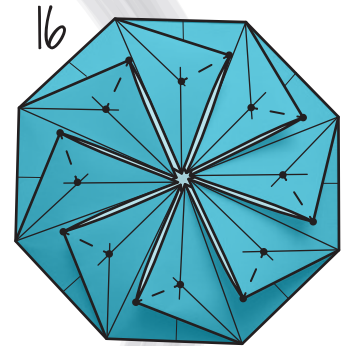
Like this. Zoom in.



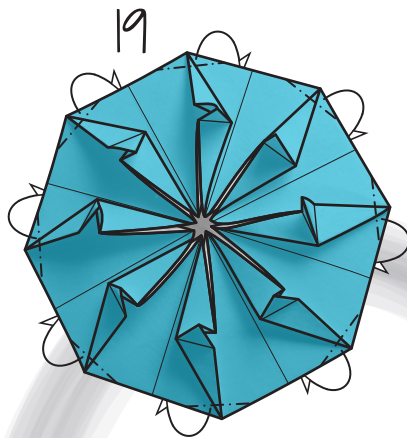
Fold the flap to the other direction.  
Repeat 7 more times.



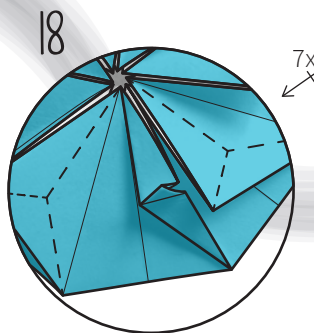
Bisect the flap as shown.  
Repeat 7 more times.



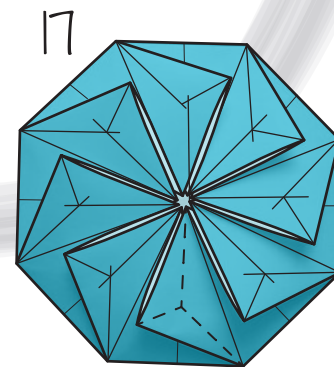
Add a short crease connecting  
the corner of the flap with the  
intersection. Repeat on each flap.



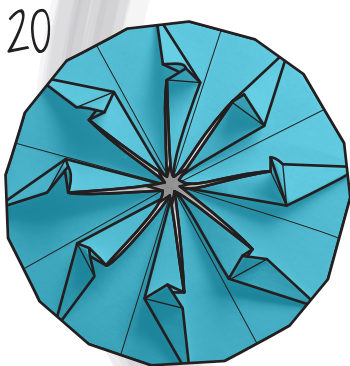
Fold the corners back to obtain  
a more rounded final shape.



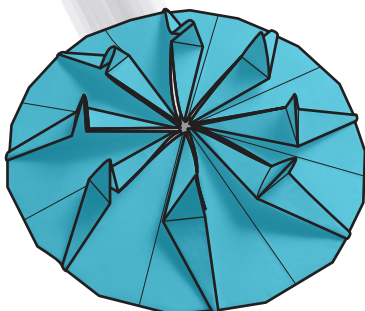
Repeat 7 more times.



Collapse the flap using existing  
folds to form a spike.



Model is finished.



Side view.

Diatoms are single-celled, plant-like organisms found throughout the world's oceans and freshwater. They form dense, short-lived blooms that the rest of the ocean food web depends on, like microscopic rainforests that come and go with the weather. When really excellent nutrient and light conditions come together, centric diatoms (the ones with radial symmetry) are often the winners of the race to take advantage of them. The upper and lower surfaces of their silicate (glass) shells can be decorated with a huge variety of patterns of dots, radial lines, concentric rings, and short spines.