

Welcome to the Ocean Lapbook! This lapbook covers only temperate oceans. It does not cover coral reefs. There is a free coral reefs lapbook at Homeschoolshare.com.

All of the information you need for this lapbook comes from this site:

<http://www.mbgnet.net/salt/oceans/>

This site inspired the lapbook. Every page just screamed lapbook at me. You'll see I was inspired to make some new types of pieces.

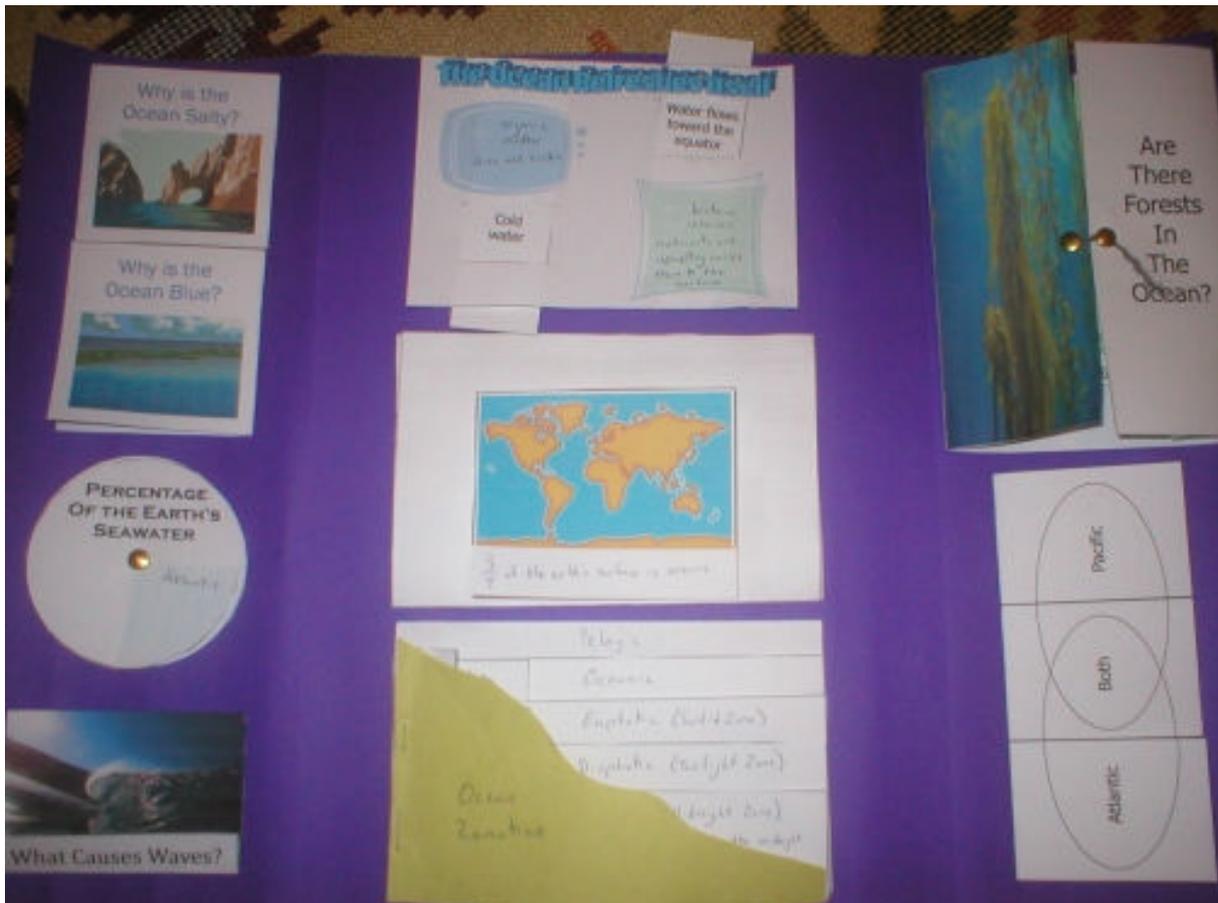
You can make this as simply or as detailed as you like. There is space for writing for older students. The pull tabs piece can be left as is for younger students or extra could be written in by older students. Likewise the zonation piece can be just colored by younger students or all of the space can be filled with info by older students.

Before you print! Decide if you want to print out the cover. You don't have to use up your ink to print it out if you don't want to. Also the last two pages are just pictures of some of the lapbook pieces. You don't need to print those out.

This lapbook is from the Just Us blog at <http://hebrews110.wordpress.com>. It is free to use and to share, but it may not be used for commercial benefit.

Blessings,
Lee Giles

Be on the lookout for my novel, *The King Will Make a Way* (to be published in 2010). It's a Christian novel for your homeschool family. Learn more at my blog.



You'll notice a few changes on your version. For instance, when I went to put this together I realized to make it fit the Venn Diagram piece needed to be up and down not horizontal. So I rotated the words in your version. There are more pictures of the pieces in the back.

Bar Graph of Ocean Depth (Use the [Data Depth of Ocean](#) link)

Cut along the black outline of the whole piece on the next page.

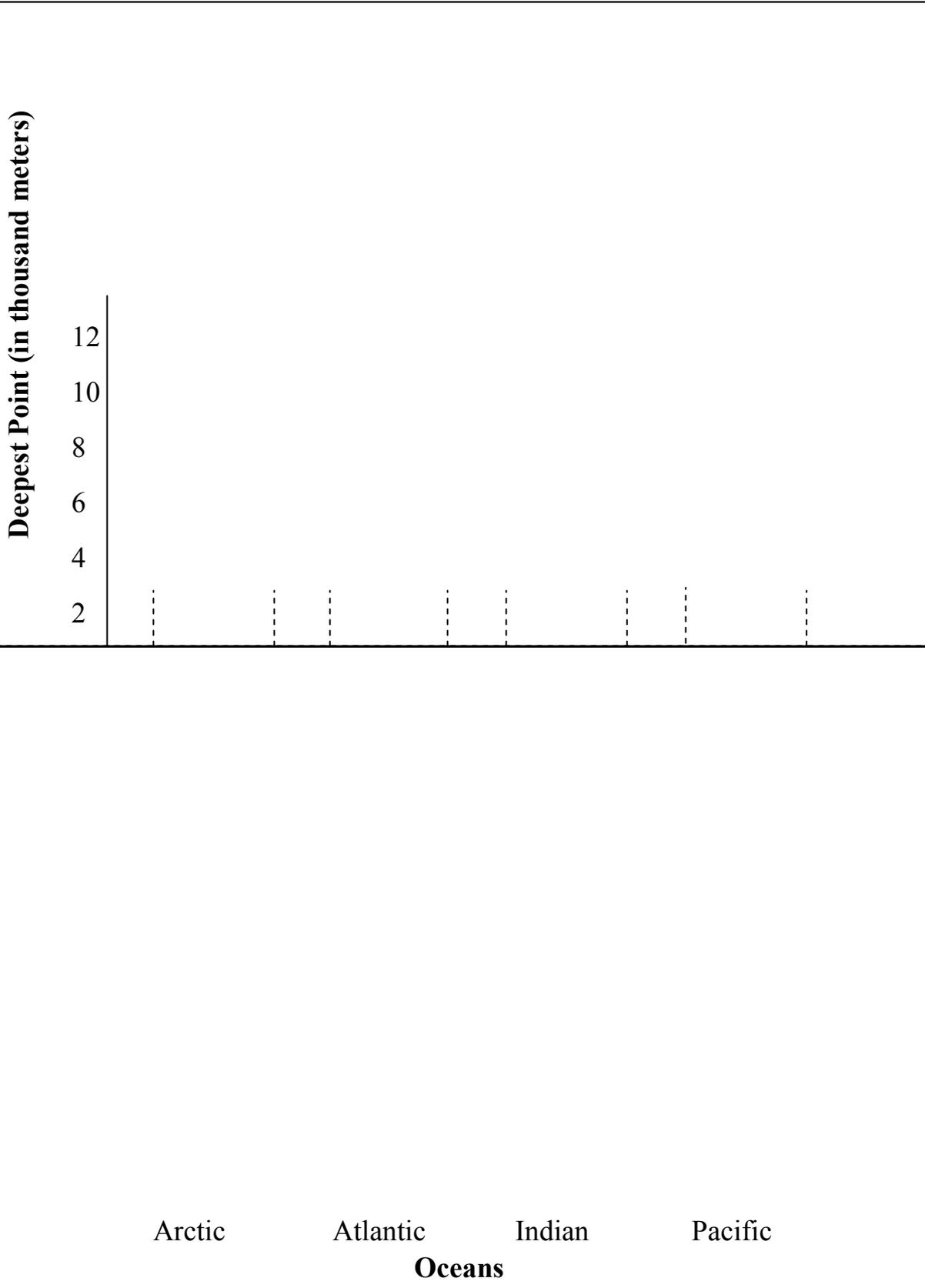
Fold the paper in half so that the words are on the outside.

Use the data to measure how far to cut for each ocean (approximate).

Use the dotted guide lines to help you cut in the right place. You will cut in two places for each ocean. The wider spaces are the bars for the graph. The little spaces between the dotted lines are the spaces between the bars on the graph. Fold the bars down to crease at the end of where you cut. You could color the bars and the ocean names to match if you like.

When you are done cutting, fold in half in the opposite direction so that the words are now on the inside. Push out your bars so that they pop out. Close the whole thing and crease everything well.

Cut out the rectangle title on the page after that. Glue your graph into this. The words and picture will be behind the ocean names part of your graph. You can write in the space provided that $\frac{3}{4}$ of the earth's surface is oceans.



How Deep is the Ocean?



Kelp Forest (use the Forests link)

Cut out the piece on the next page as one piece. Fold on the lines so that the words and picture are the cover

Go to the website and click on the forests link.

Click on the image of the kelp.

Print out this image (or create your own kelp) .

Cut around it—doesn't have to be exact.

Make and attach labels to the different parts.

Cut a cube of sponge about a centimeter wide and an inch long. Attach to the back of your kelp and attach to the middle section of the piece.

You can add more kelp you create from green paper. Add them on with different size sponge cubes.

You can just decorate it with drawn on or 3-D kelp or you can add information about kelp forests on the right and left hand sides. On the Links blog there is a link to read about 2 different types of kelp that you could write about. To make my little kelp I copied the picture, pasted it into a Word document, then dragged the corners to shrink it.

If you want your piece closed tight, you can use ribbon (hole punch each side and string through). Decide this before you write on the other side so you don't put holes in your writing! Or you could put a brad loosely on each side and tie a string around one side and just wrap it once around the other side. To cover up the brad on the other side you could put your info on separate paper and then attach it. (For my string I took a short piece of yarn and pulled out one of the strands.)

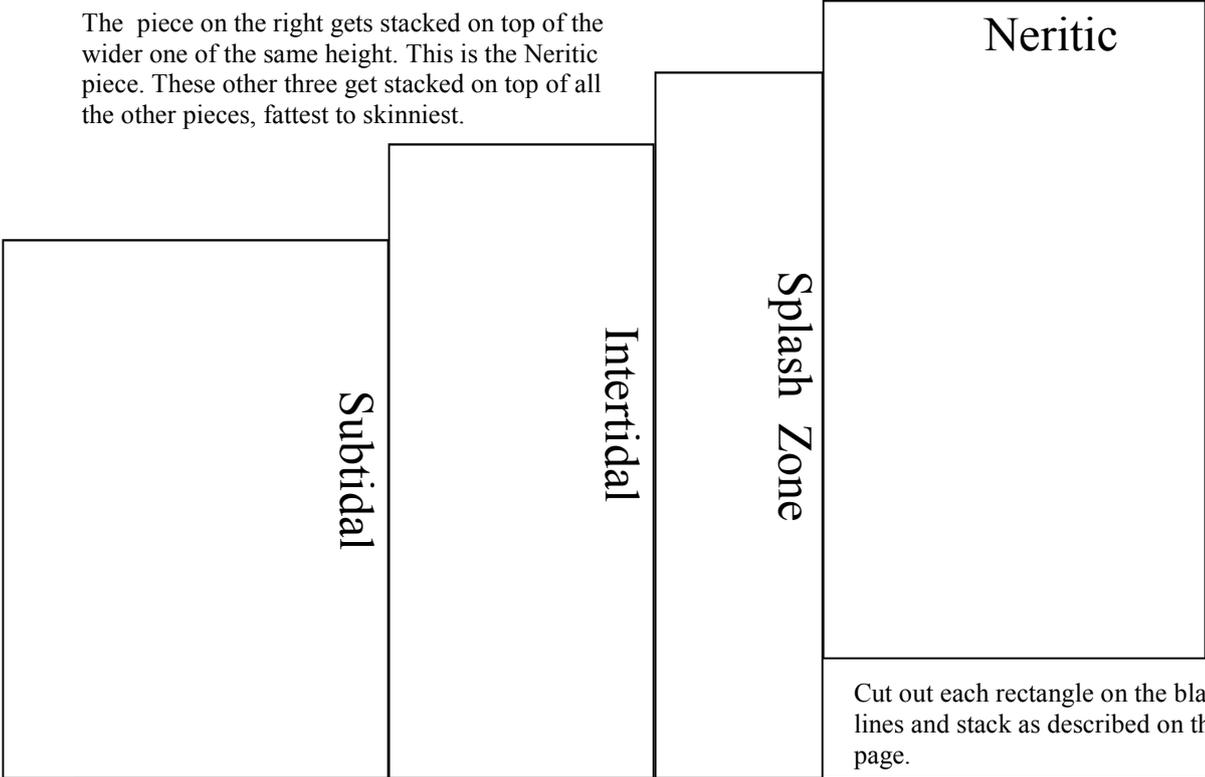
Kelp image is from:
Ben Fertig Ian image library (ian.umces.edu/imagelibrary/)
Free to use if you post this credit notice.

Cut out as one piece and fold the side flaps into the middle so that the words and picture are on the outside.

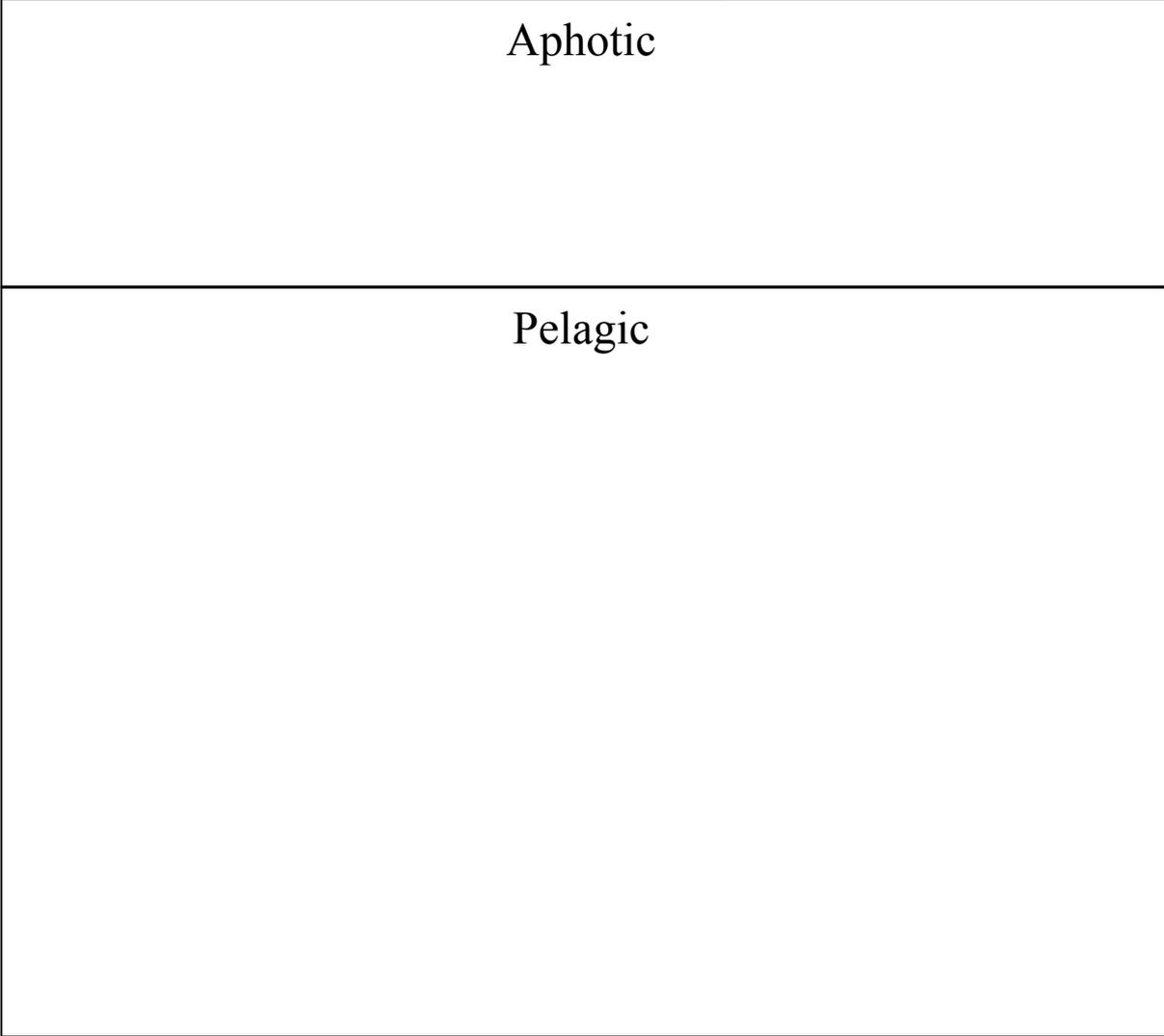
**Are
There
Forests
In
The
Ocean?**



The piece on the right gets stacked on top of the wider one of the same height. This is the Neritic piece. These other three get stacked on top of all the other pieces, fattest to skinniest.



Cut out each rectangle on the black lines and stack as described on the next page.



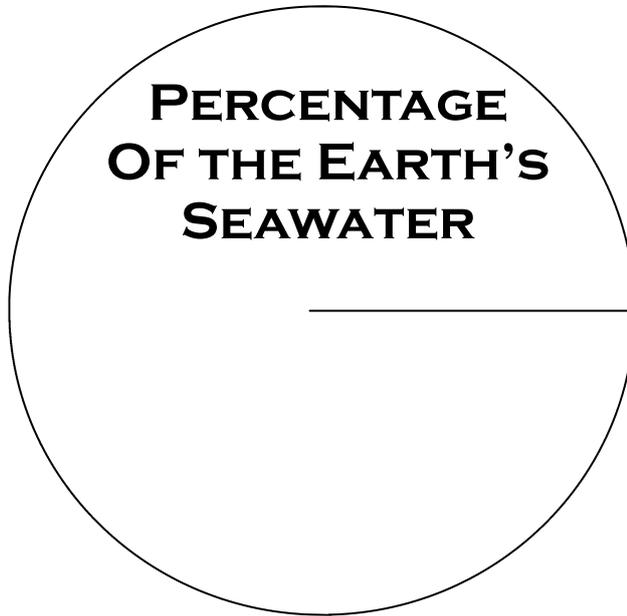
Oceanic

Cut out each rectangle on the black lines.

Euphotic

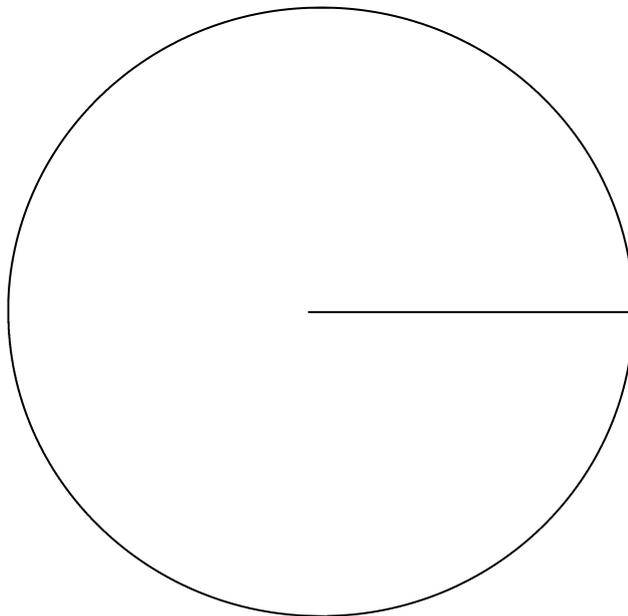
Stack with the others with the shortest in front. Then the three from the other page go in front. Make a cover out of sand colored paper (if possible). Cut it to look like the descending land in the diagram. Staple all together. Older students can write about each one. Use the Light Zones page. Younger students can color the levels darker and darker instead of writing on them. This piece goes with the "Zonation" page of the site.

Disphotic



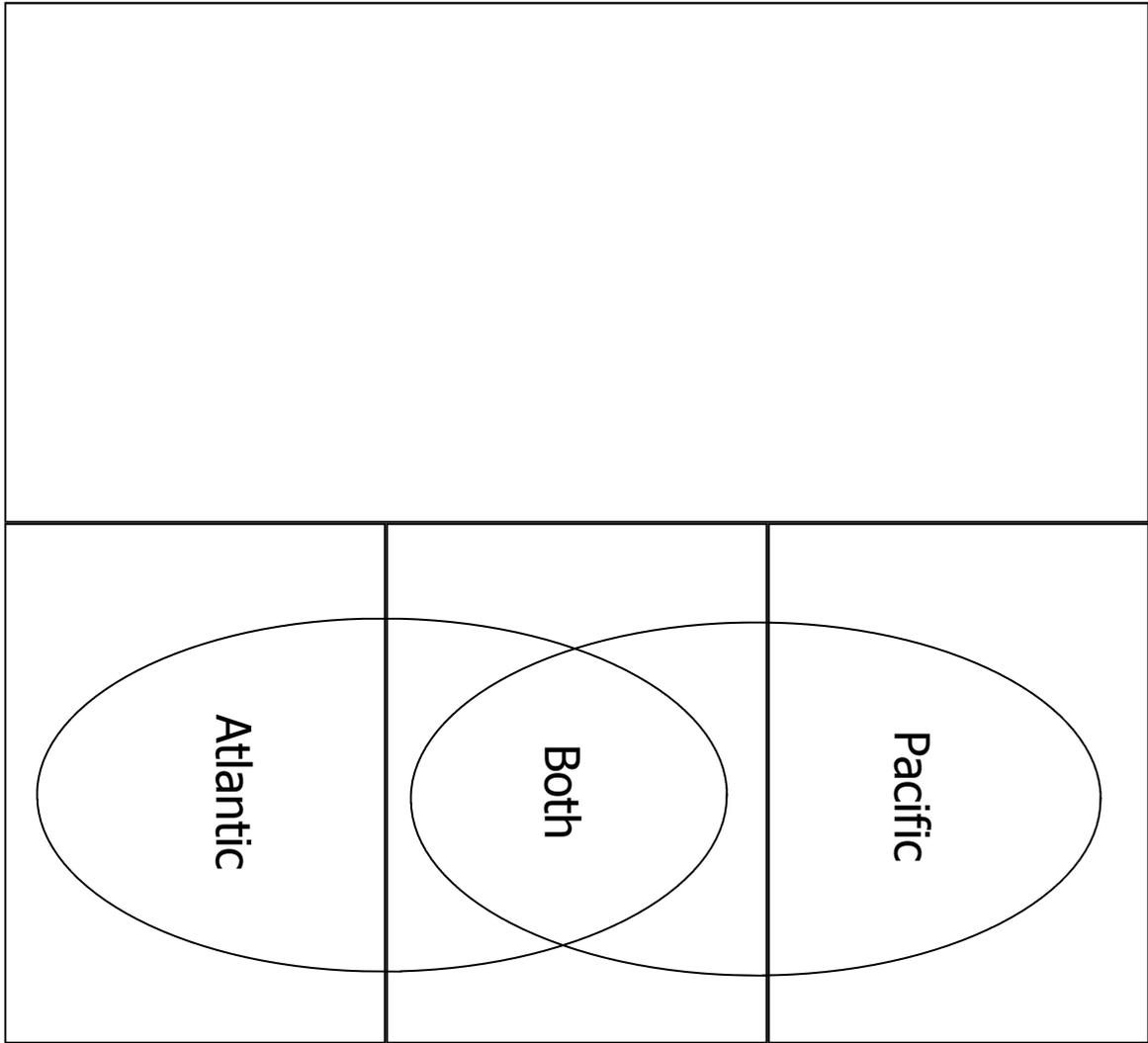
Cut out both circles and cut along the black line on each. You are going to put the one below directly behind this one and attach with a brad securely. You will pull the edge of the back one through the slit you made in this one. Pull it out the correct percentage (approximately) and write Atlantic (or Pacific) right by the slit. Find the information on the "Atlantic and Pacific Oceans" page.

So in the lapbook, you will pull it out until it says the ocean name and that shows you the percentage of the world's seawater.



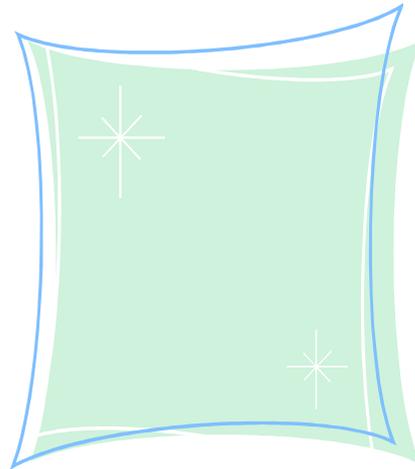
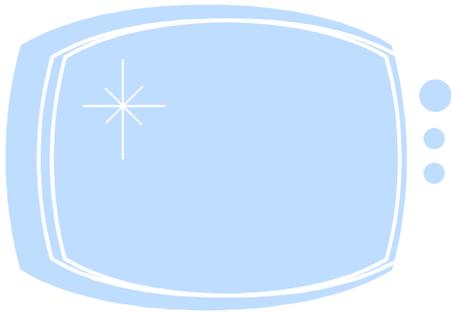
It would be a good idea to color this one in blue.

IMPORTANT: When attaching to the lapbook pull this circle out until it says "Atlantic," then glue only the 1/4 of the title circle that is showing in the back. Don't glue down any of this circle!



Cut out as one piece. Fold in half and crease well. Cut on the two black lines separating the words to make three flaps. Simply fill in one thing in each from the website or search for some more info on your own.

The Ocean Refreshes Itself



Cut the rectangle above as one piece. Keep on the tabs. Cut along the dotted lines.

Fold the tabs back and glue them down. You will also put glue on the back of these tabs to attach it to the lapbook.

Cut out the skinny rectangles along the black lines.

Insert the "cold water" strip to the left so that it pulls down.

Insert the "water flows" strip to the right so that it pulls up.

In the blue sections you could use the info in the other animated diagram on the webpage to write "Organic..."

When you attach to the lapbook, only glue down the sides and middle.

Sinks

Cold water

Water flows toward the equator

Pushing water up to the surface

Cut out as one piece. Fold the flaps so that the words are on the cover. Write the answers inside. Find the info on the FAQ page.

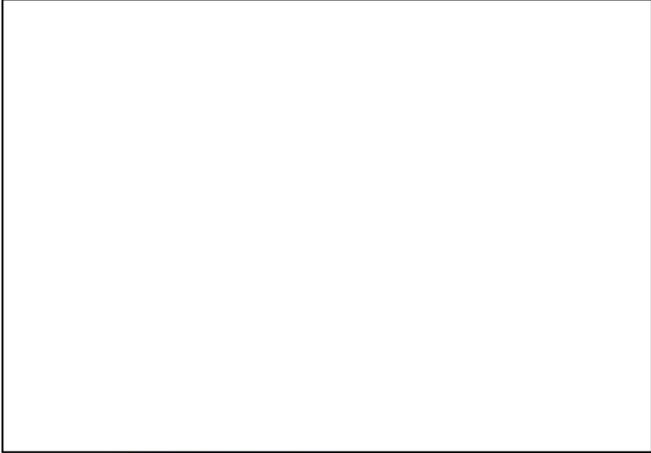
Why is the
Ocean Blue?



Why is the
Ocean Salty?



What Causes Waves?



Cut the top rectangle out as one piece. Fold matchbook style. Find the info on the FAQ page.



Ocean Lapbook



