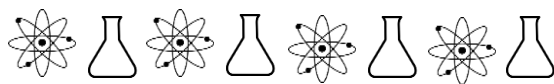


EP
Earth Science
Printables:
Levels 5-8



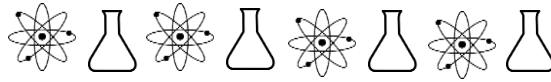
This book belongs to:



Physical Map

On the map below, label 5 mountain ranges and 5 rivers. Color the desert areas yellow.





My Rock

Fill in this worksheet on your rock. Draw a picture of it in the box.

A large, empty rectangular box with a black border, intended for drawing a picture of a rock.

Color: _____

Texture: _____

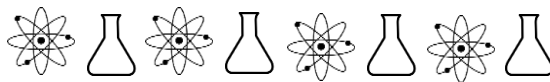
Weight: _____ (heavy/light)

Luster: _____

Hardness: _____

Streak: _____

Cleavage: _____



My Rock

Fill in this worksheet on your rock. Draw a picture of it in the box.

A large, empty rectangular box with a black border, intended for drawing a picture of a rock.

Color: _____

Texture: _____

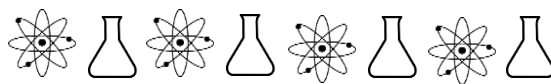
Weight: _____ (heavy/light)

Luster: _____

Hardness: _____

Streak: _____

Cleavage: _____



My Rock

Fill in this worksheet on your rock. Draw a picture of it in the box.

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Color: _____

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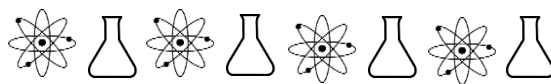
Weight: _____ (heavy/light)

Luster: _____

Hardness: _____

Streak: _____

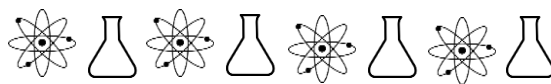
Cleavage: _____



Rock Types

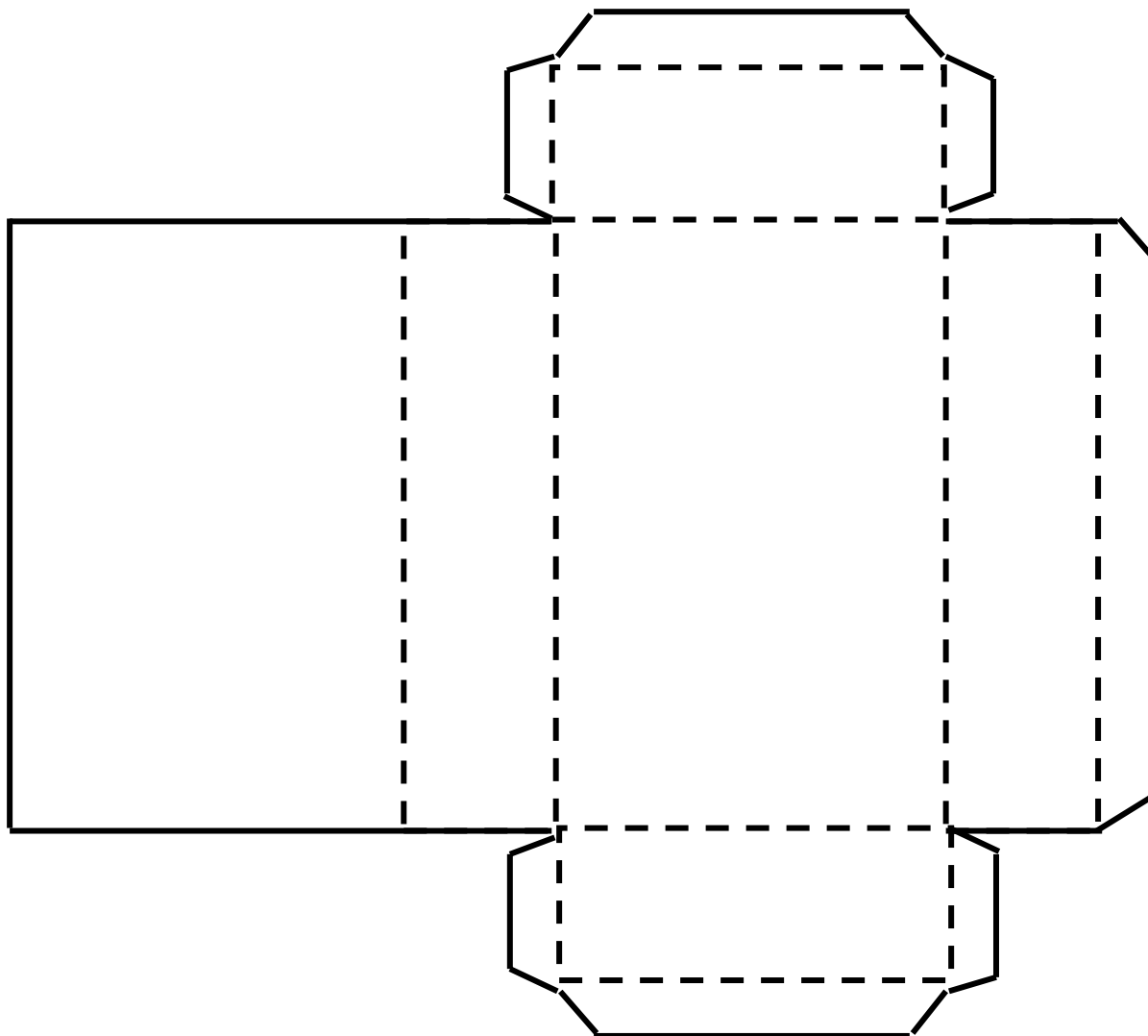
Fill in this chart about different kinds of rocks.

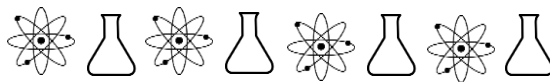
Types of Rock	How it looks/feels	How it's used	Why it's used for this
Chalk			
Clay			
Granite			
Marble			
Pumice			
Sandstone			
Slate			



Mineral Crystals

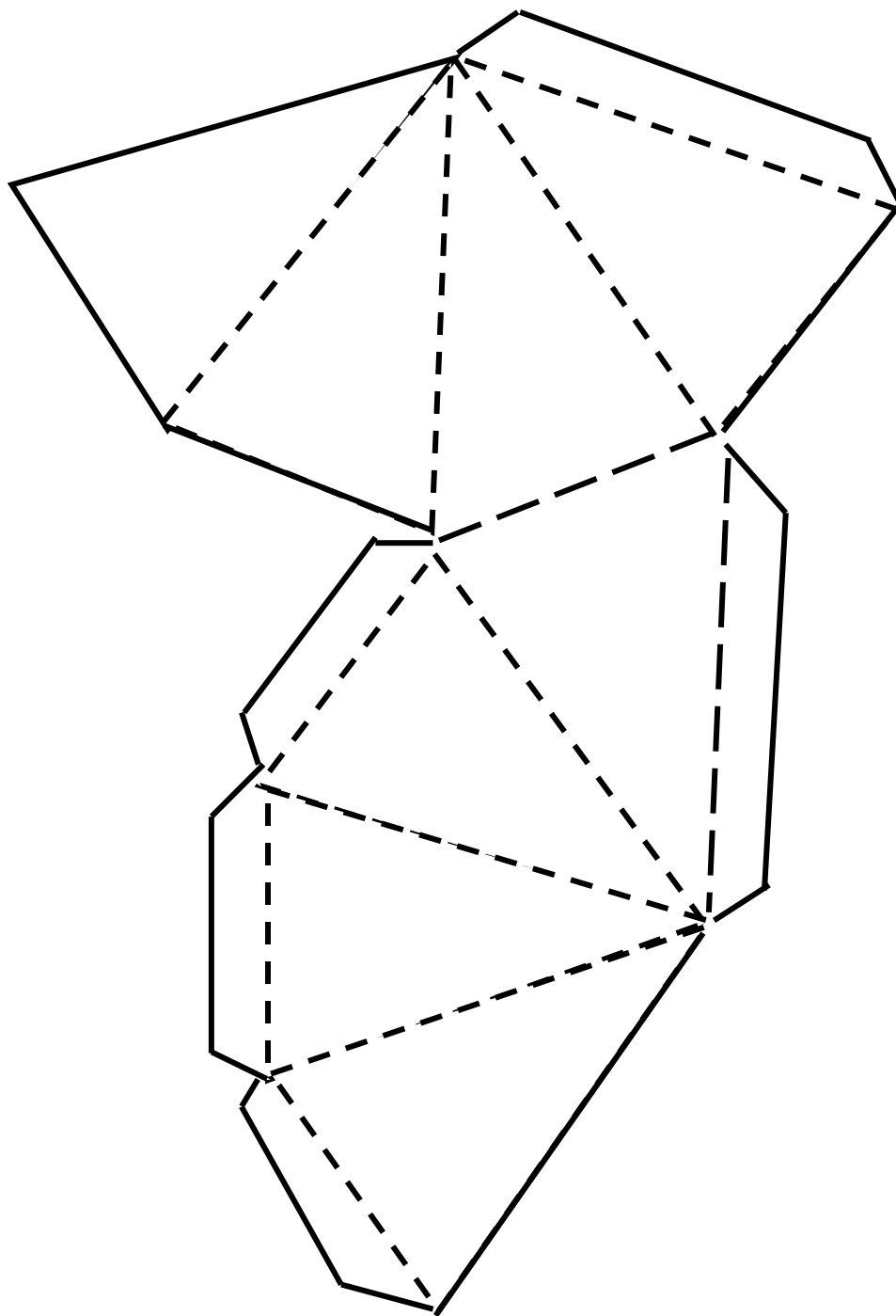
Cut on the solid lines, fold on the dotted lines. Assemble the various mineral crystal shapes. This is a rhombic prism. Minerals with this shape include topaz, sulfur, and barite.

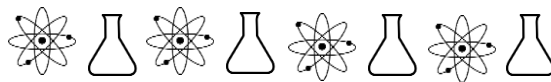




Mineral Crystals

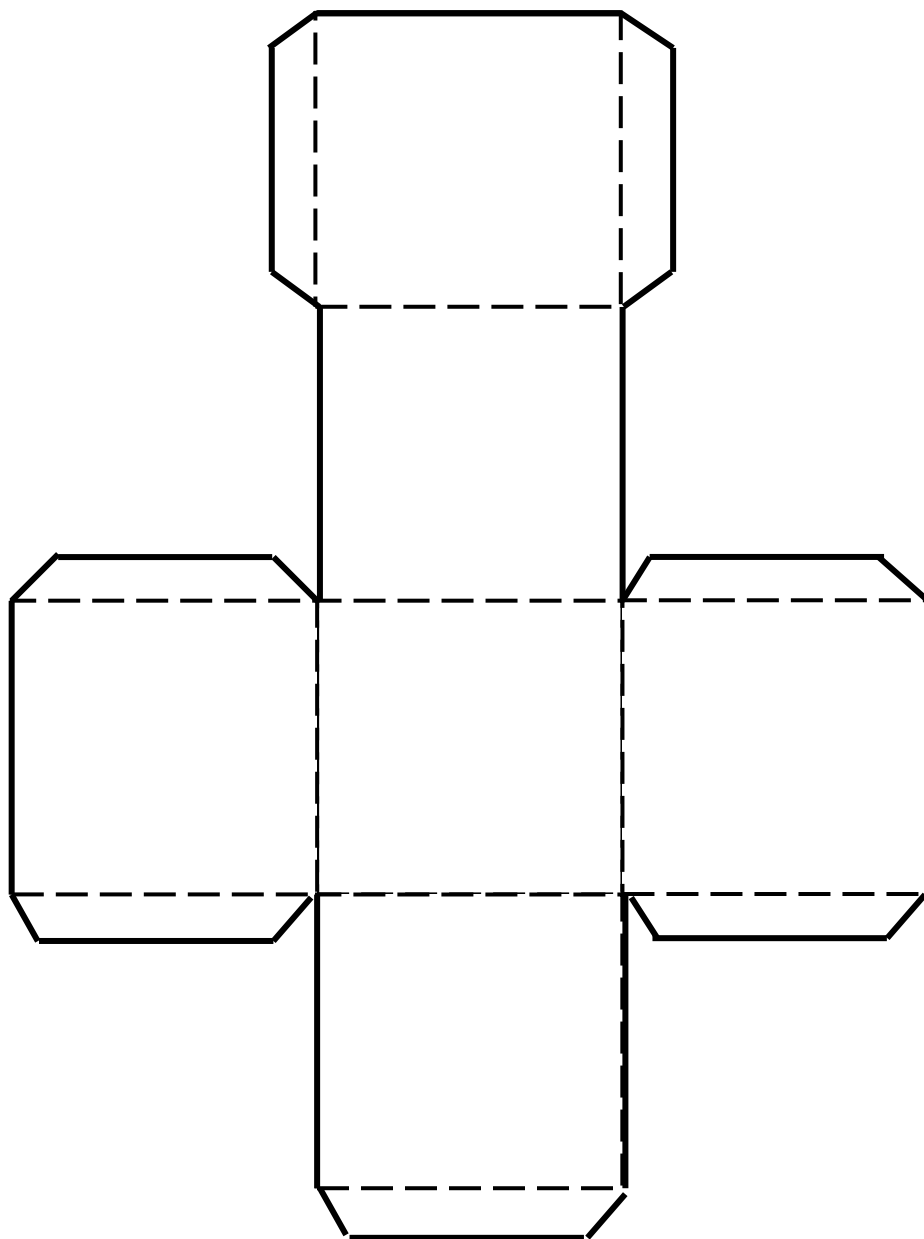
Cut on the solid lines, fold on the dotted lines. This is a tetragonal dipyramid.
Zircon is an example of a mineral with this shape.

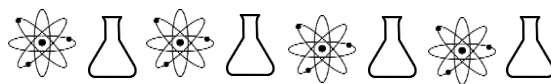




Mineral Crystals

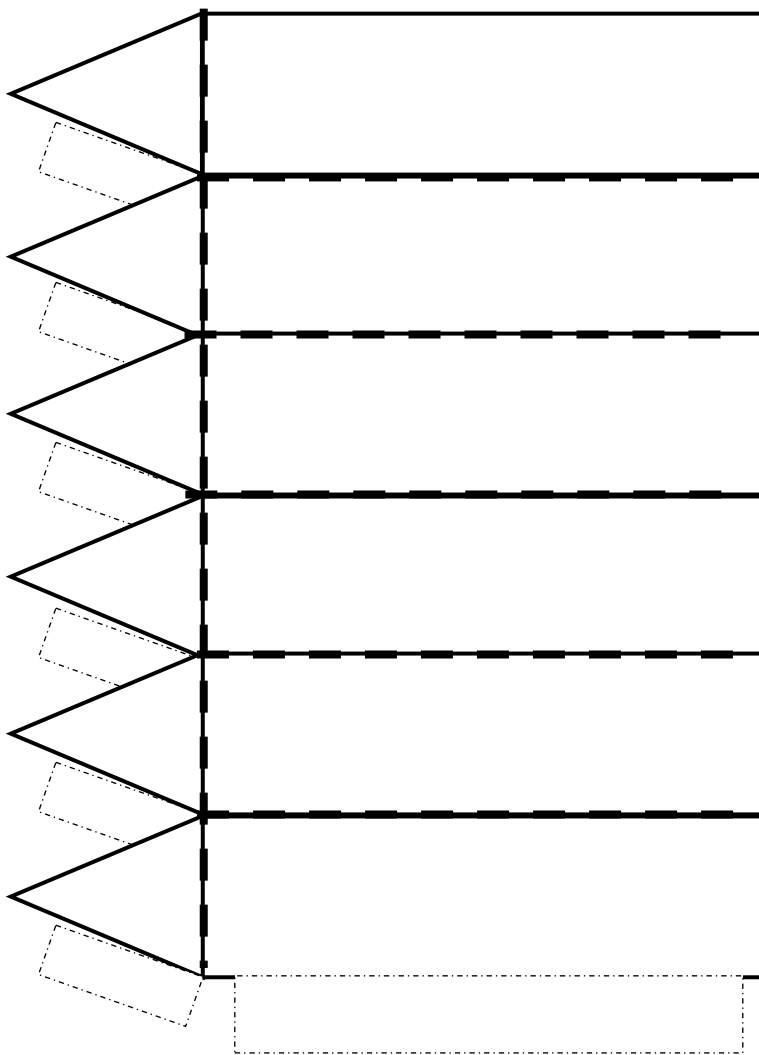
Cut on the solid lines, fold on the dotted lines. This is a cube. Salt is a mineral with this shape.

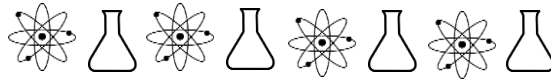




Mineral Crystals

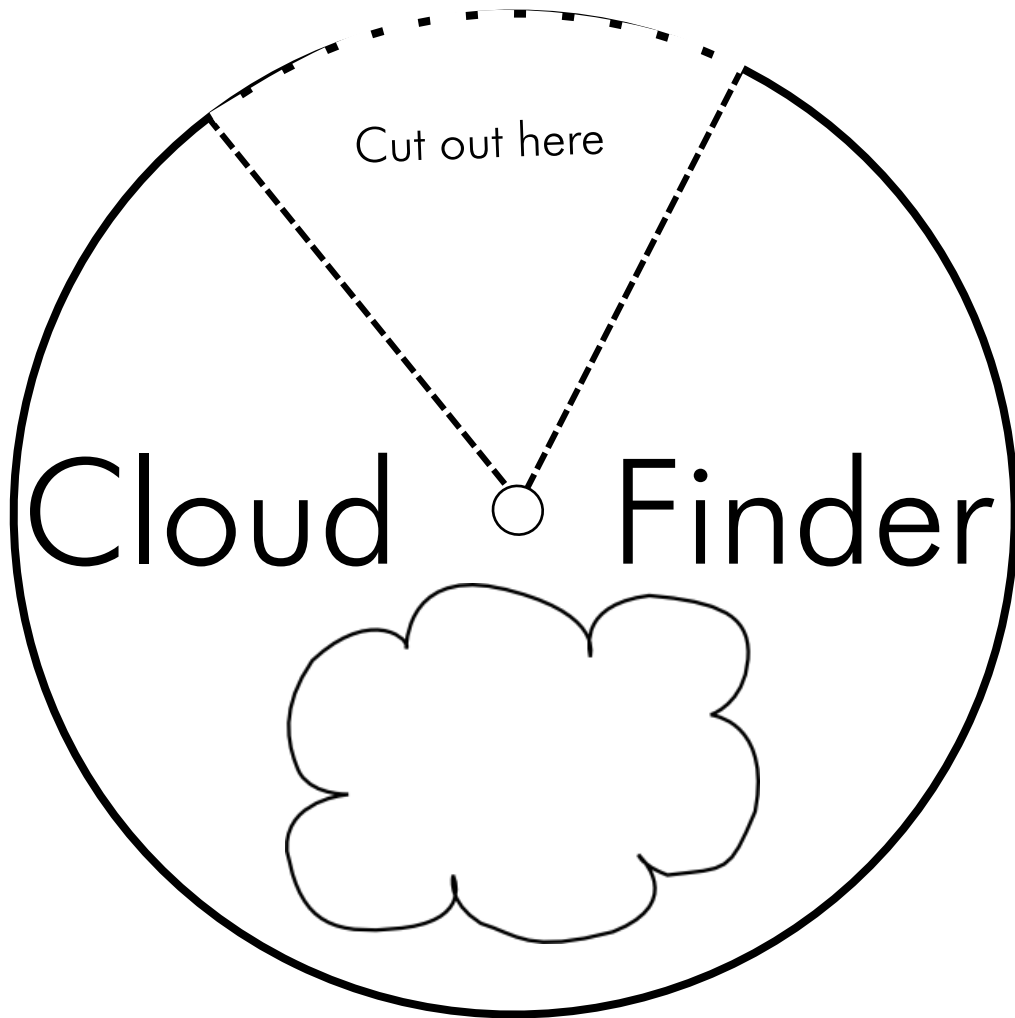
Cut around the outside of the entire shape, keeping the tabs attached. Fold on the dotted lines and use the tabs to glue the shape together. This is a hexagonal quartz.

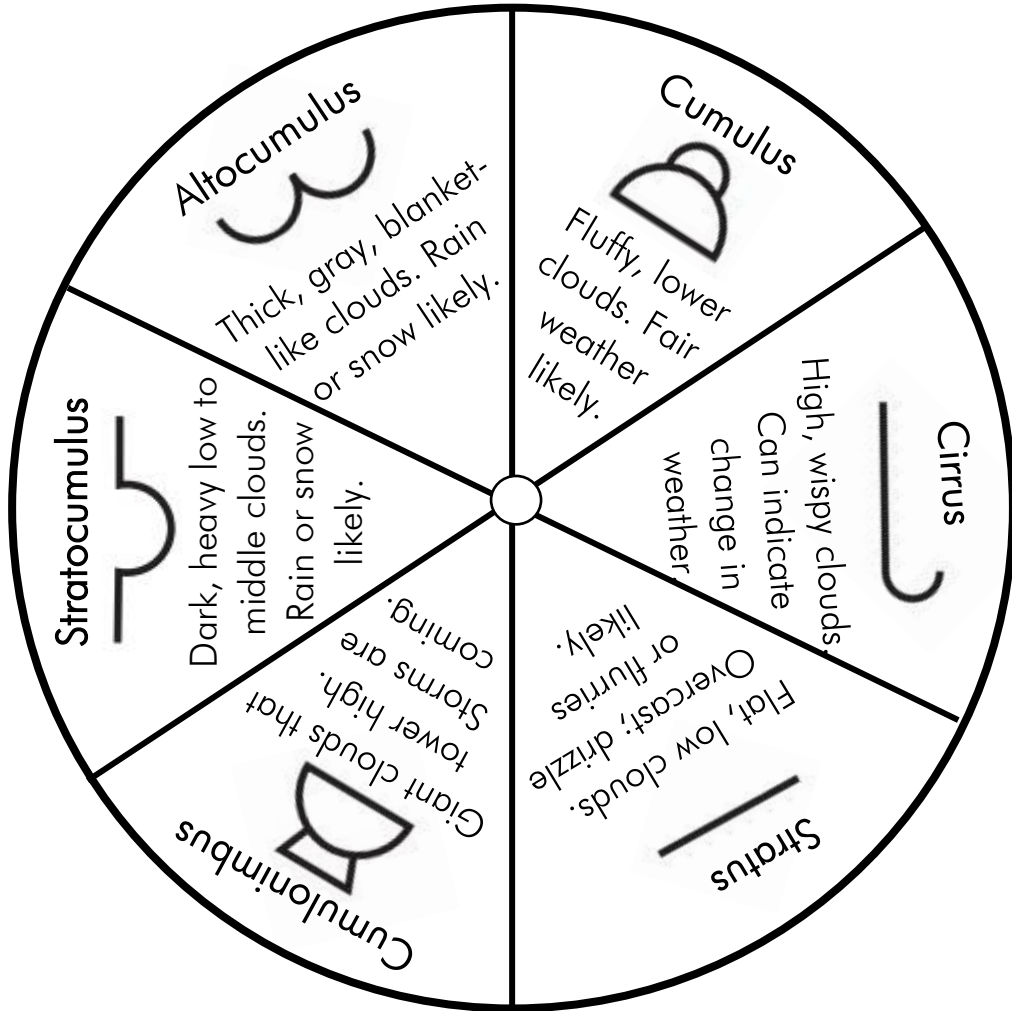
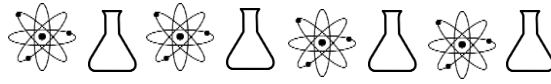


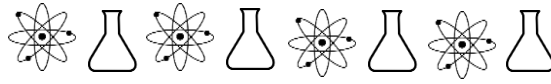


Cloud Finder

Cut around the outside of the first circle, as well as along the dotted lines to cut out the "cut out here" section. Cut around the outside of the second circle. Stack the first circle on the second circle and secure with a brad. Can you find today's clouds on your cloud finder?



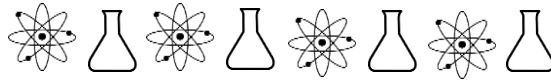




Precipitation Map

Color the map using the maps linked in the online course to help. Be sure to include a key!

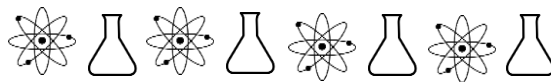




Global Wind Patterns

Draw on the global wind patterns from your reading today.

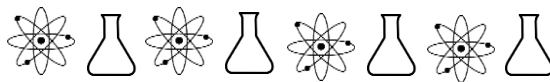




Weather Chart

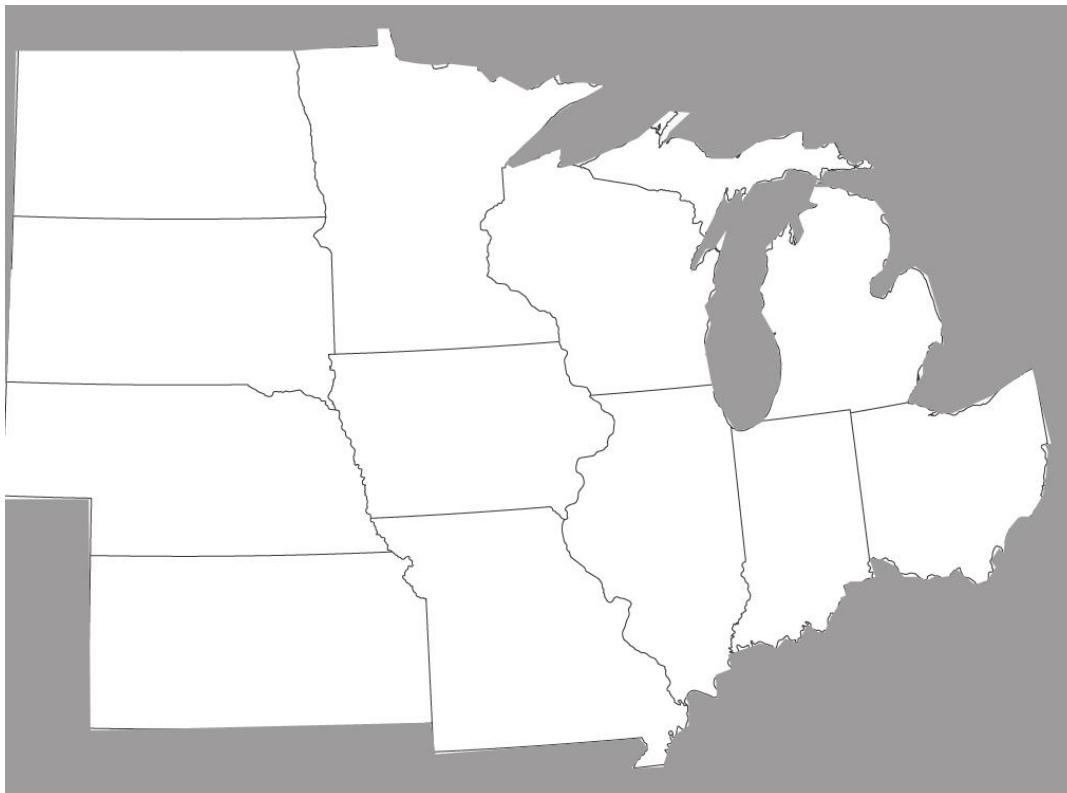
Use this chart for the next five days, following the instructions in the online course.

Date	Temp	Conditions	Wind	Dew Point	Humidity	Barometric Pressure

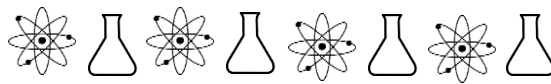


Midwest

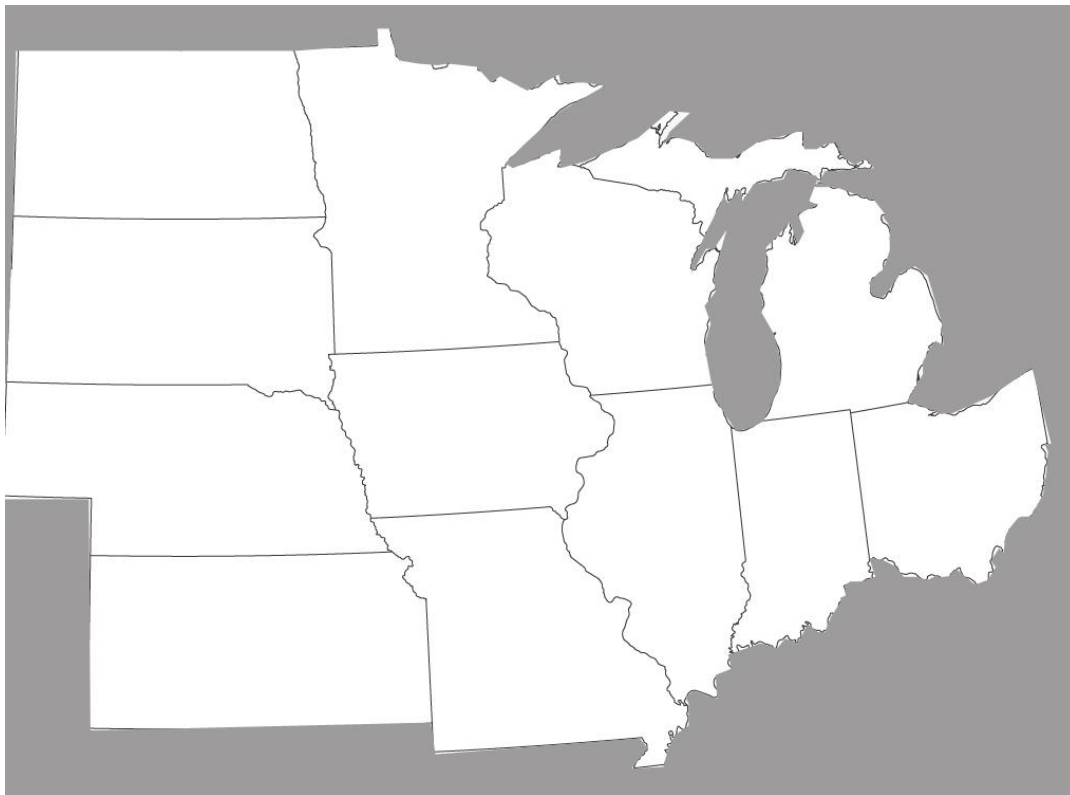
Choose the map that contains your state. Follow the directions in the online course to make a weather map. You'll need four of the same map.



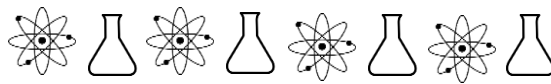
Adapted from: <https://freevectormaps.com/united-states/US-EPS-01-1002?ref=atr>



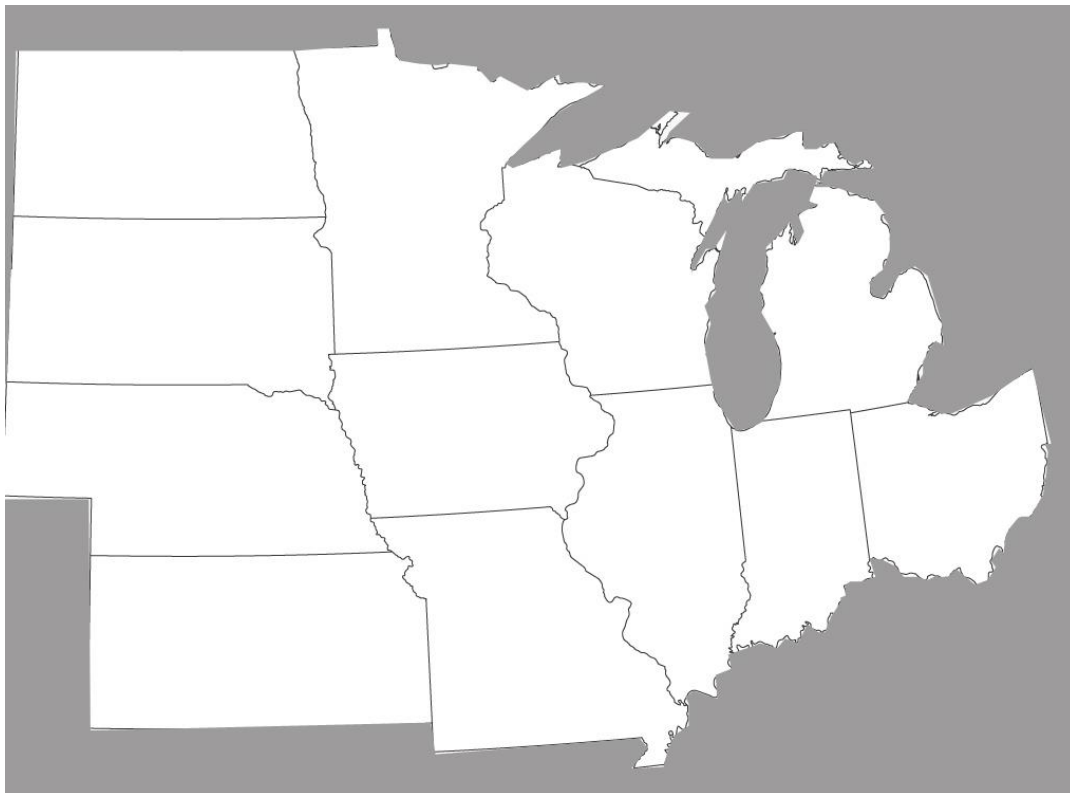
Midwest



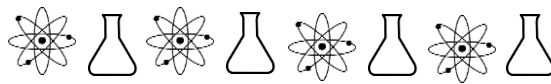
Adapted from: <https://freevectormaps.com/united-states/US-EPS-01-1002?ref=atr>



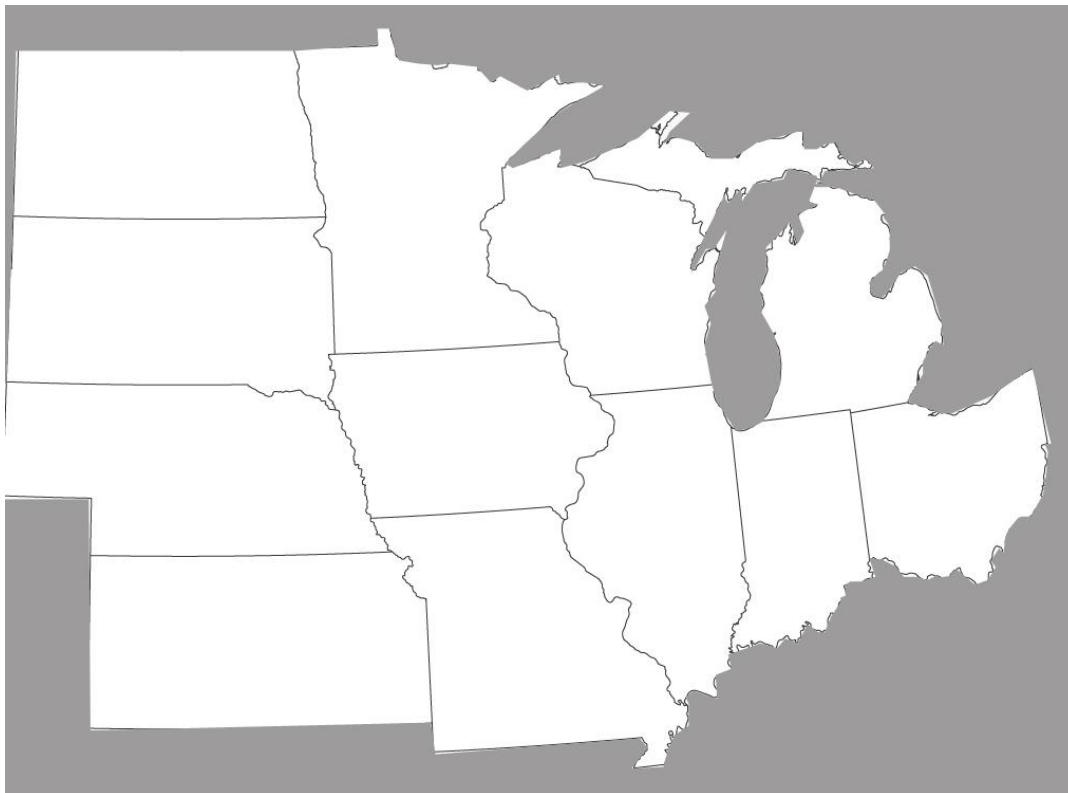
Midwest



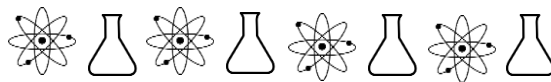
Adapted from: <https://freevectormaps.com/united-states/US-EPS-01-1002?ref=atr>



Midwest



Adapted from: <https://freevectormaps.com/united-states/US-EPS-01-1002?ref=atr>

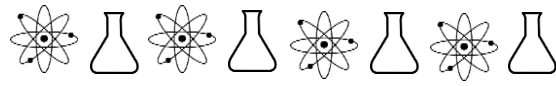


Northeast

Choose the map that contains your state. Follow the directions in the online course to make a weather map. You'll need four of the same map.



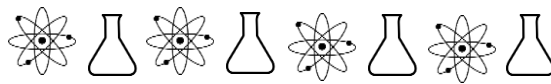
Adapted from: <https://freevectormaps.com/united-states/US-EPS-01-1002?ref=atr>



Northeast



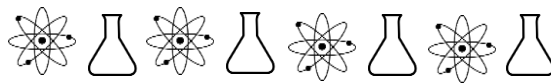
Adapted from: <https://freevectormaps.com/united-states/US-EPS-01-1002?ref=atr>



Northeast



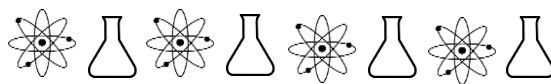
Adapted from: <https://freevectormaps.com/united-states/US-EPS-01-1002?ref=atr>



Northeast

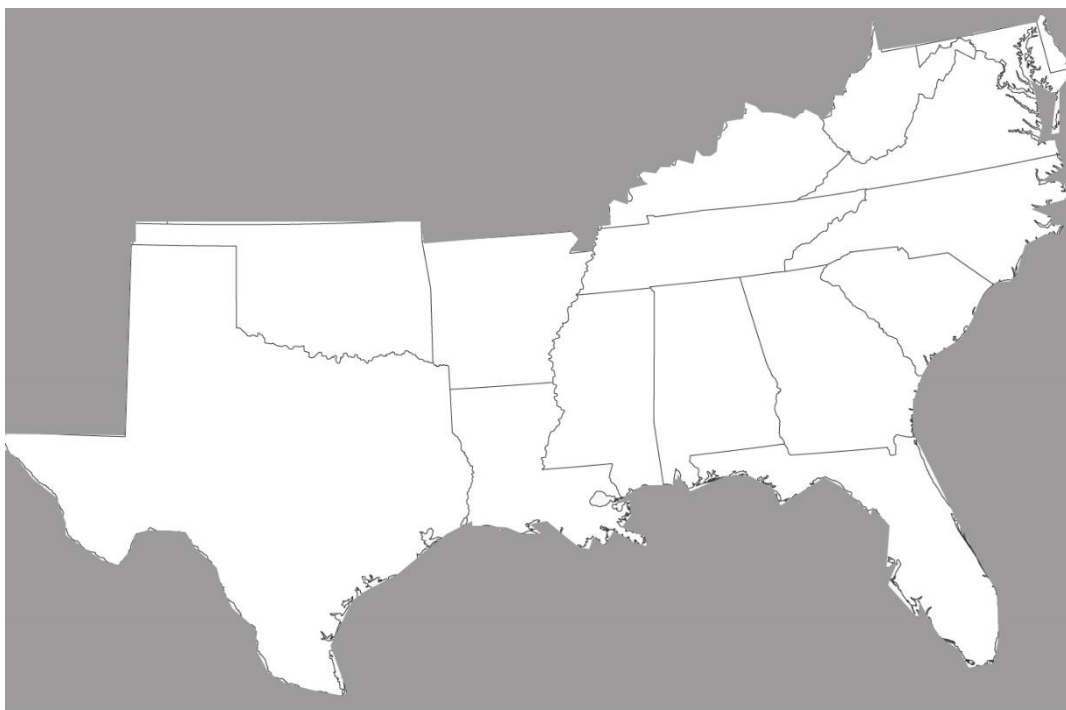


Adapted from: <https://freevectormaps.com/united-states/US-EPS-01-1002?ref=atr>

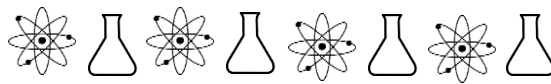


South

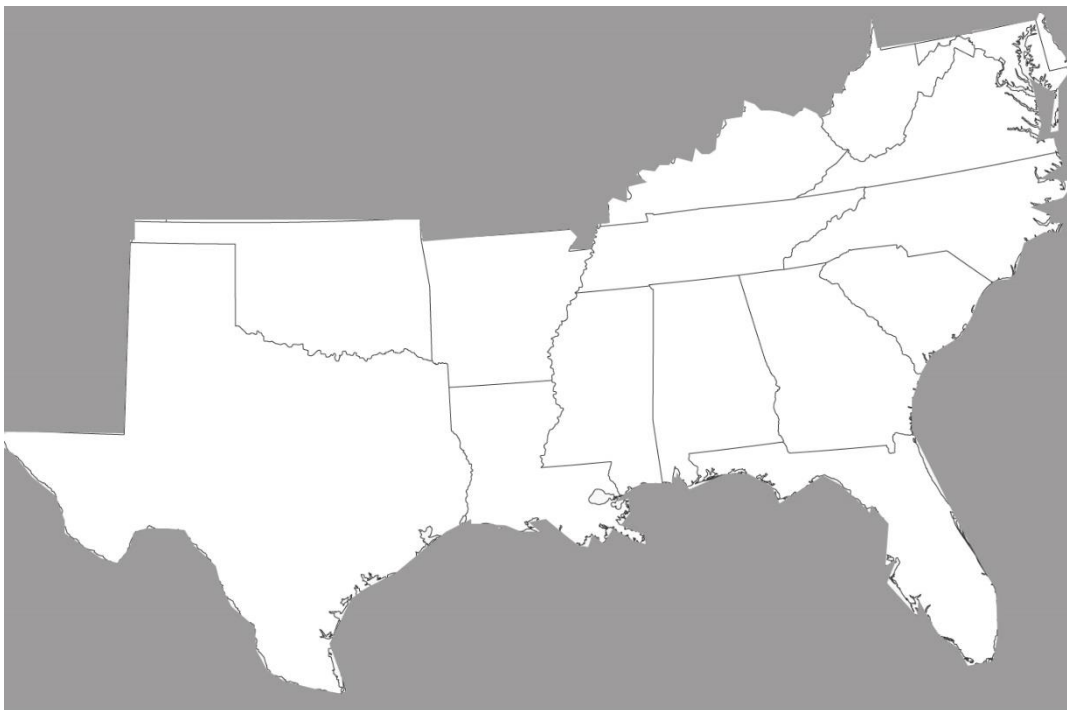
Choose the map that contains your state. Follow the directions in the online course to make a weather map. You'll need four of the same map.



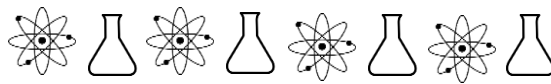
Adapted from: <https://freevectormaps.com/united-states/US-EPS-01-1002?ref=atr>



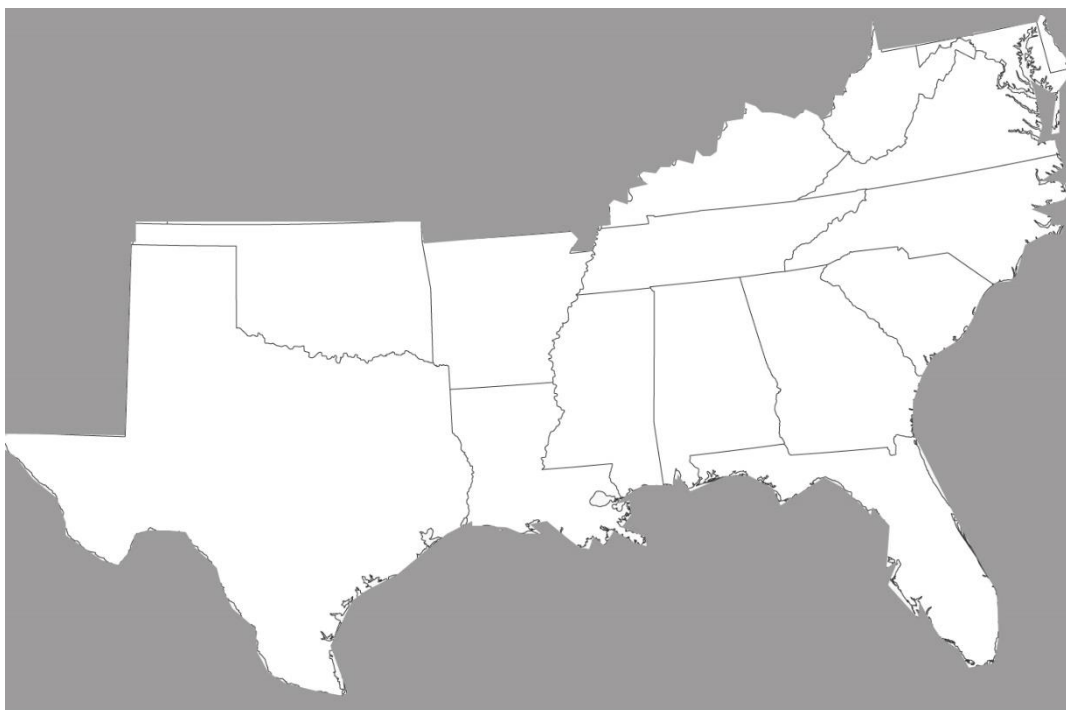
South



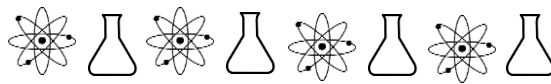
Adapted from: <https://freevectormaps.com/united-states/US-EPS-01-1002?ref=atr>



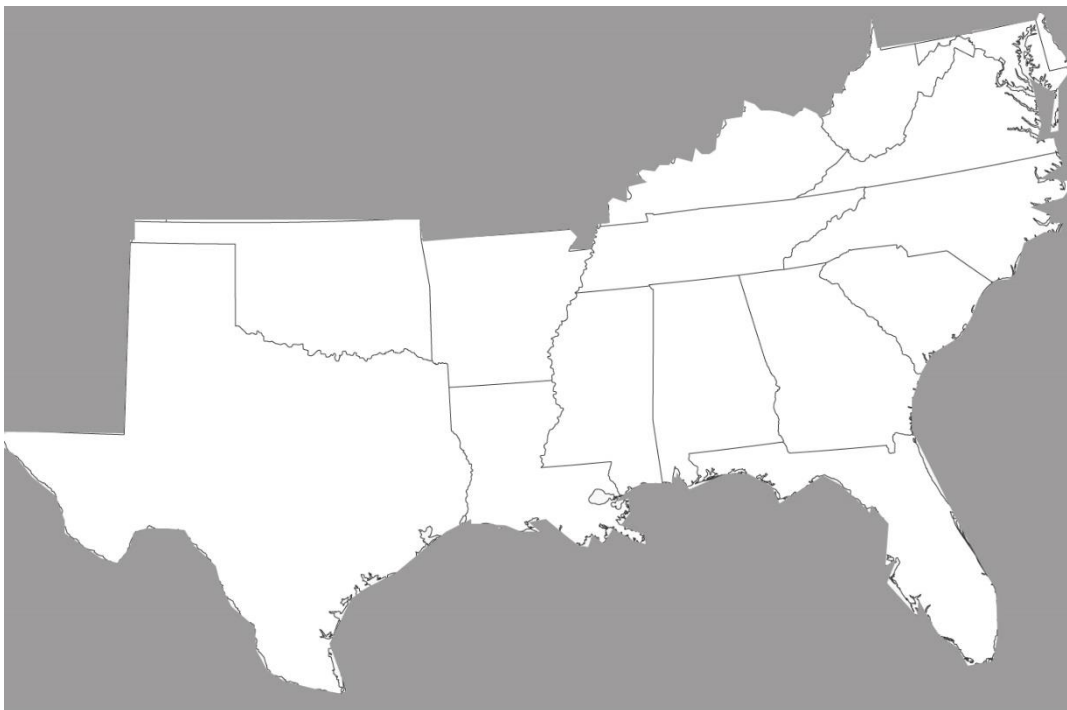
South



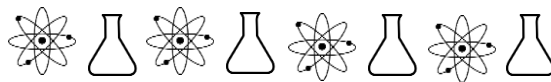
Adapted from: <https://freevectormaps.com/united-states/US-EPS-01-1002?ref=atr>



South



Adapted from: <https://freevectormaps.com/united-states/US-EPS-01-1002?ref=atr>

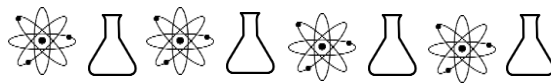


West

Choose the map that contains your state. Follow the directions in the online course to make a weather map. You'll need four of the same map.



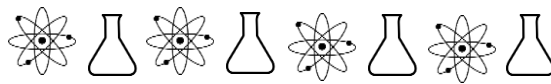
Adapted from: <https://freevectormaps.com/united-states/US-EPS-01-1002?ref=atr>



West



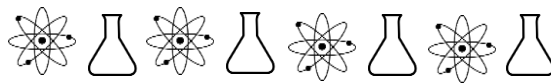
Adapted from: <https://freevectormaps.com/united-states/US-EPS-01-1002?ref=atr>



West



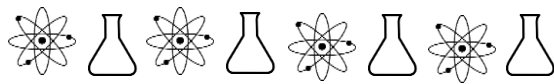
Adapted from: <https://freevectormaps.com/united-states/US-EPS-01-1002?ref=atr>



West

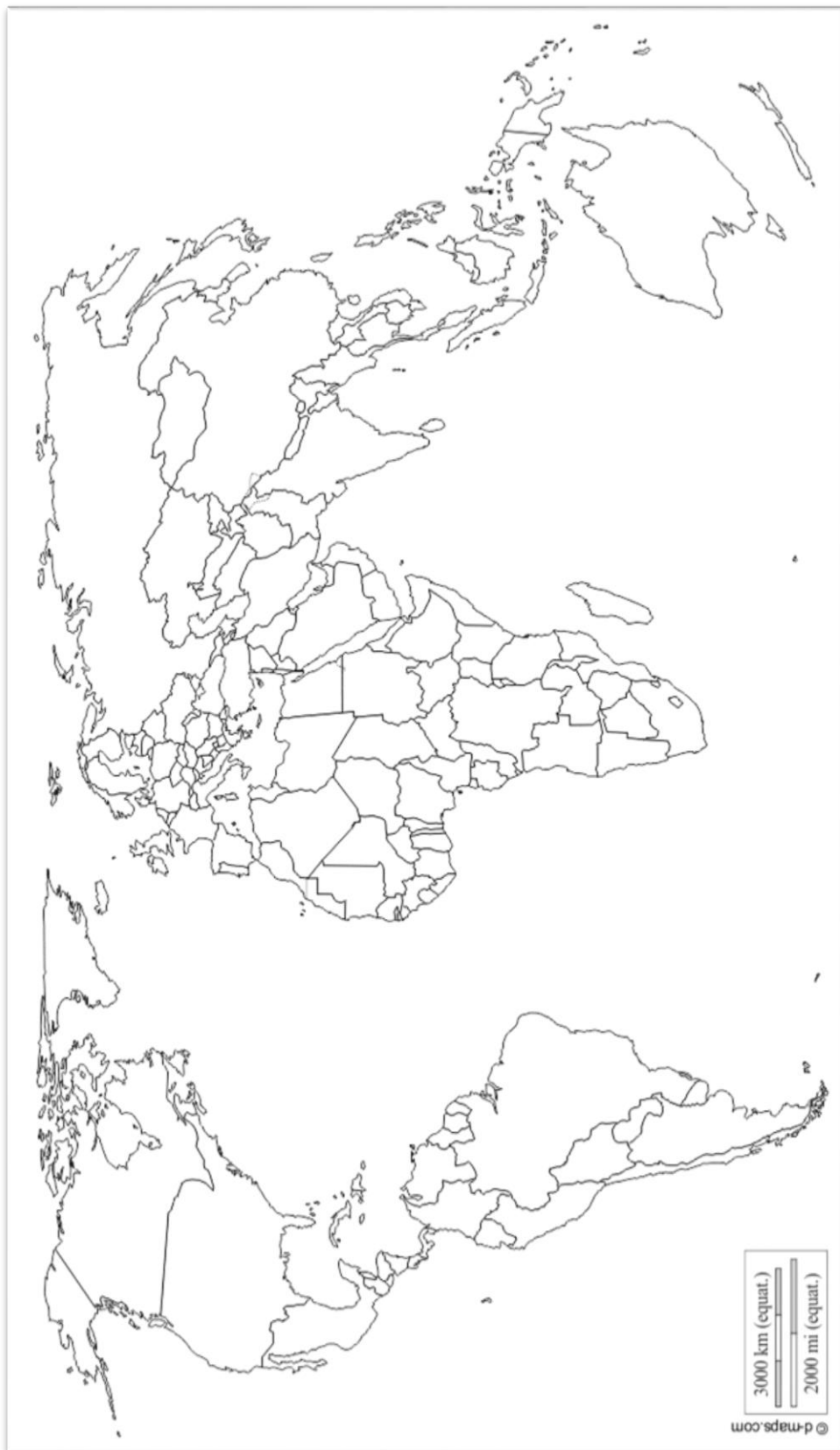


Adapted from: <https://freevectormaps.com/united-states/US-EPS-01-1002?ref=atr>

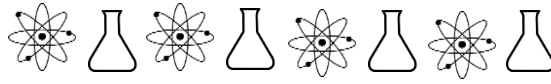


Mapping

Draw the rivers on the map following the instructions in the online course.

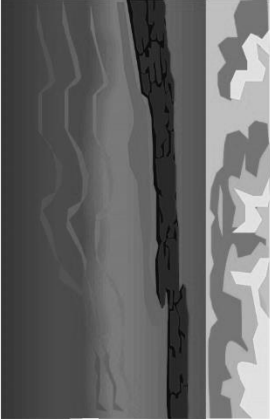


https://d-maps.com/carte.php?num_car=13181&lang



Oceans Lapbook

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



Why is the
Ocean Blue?

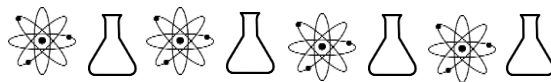
A vertical rectangular panel. On the left side, there is a grayscale illustration of a cross-section of the ocean floor, showing a dark, rocky seabed with some lighter, sandy or silty areas. To the right of the illustration, the text "Why is the Ocean Blue?" is written vertically in a simple, sans-serif font.

A large, empty rectangular box intended for students to write their answers to the questions on the adjacent panels.



Why is the
Ocean Salty?

A vertical rectangular panel. On the left side, there is a grayscale illustration of a rocky coastline with waves crashing against the shore. To the right of the illustration, the text "Why is the Ocean Salty?" is written vertically in a simple, sans-serif font.

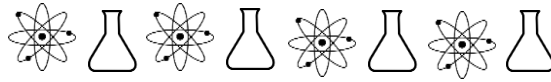


Ocean Lapbook

Cut the top rectangle out as one piece. Fold matchbook style. Write the answers inside.

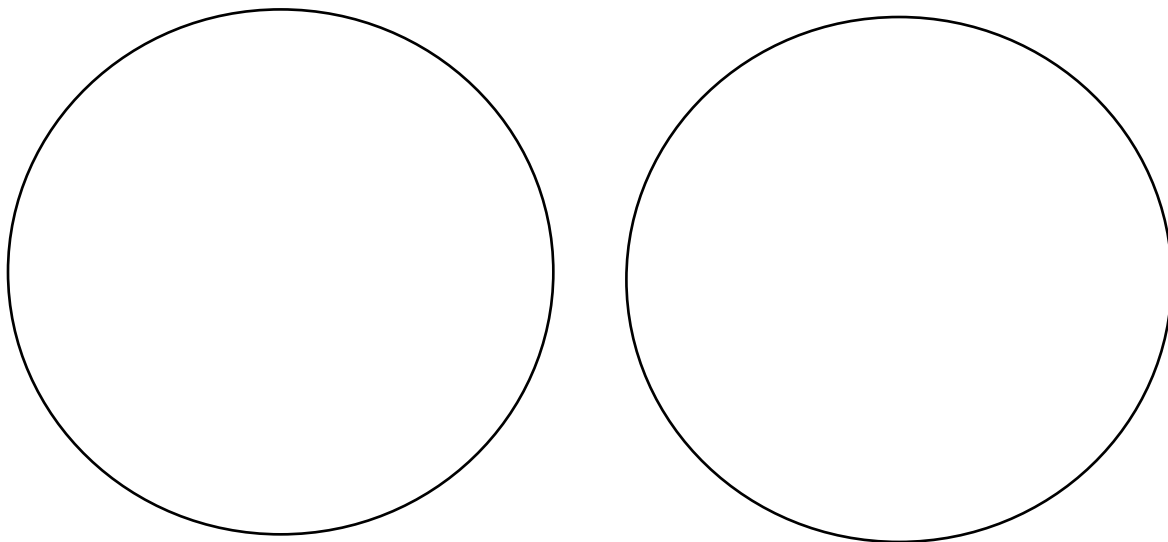
What Causes Waves?



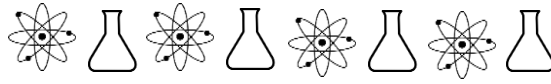


Ocean Lapbook

Cut out both circles. Label one circle "Atlantic Ocean" and one "Pacific Ocean." Treat each circle like a pie graph and color in the approximate percentage of the world's sea water that ocean represents using the online information. You can cut out the title banner to glue in your lapbook above or below the circles.

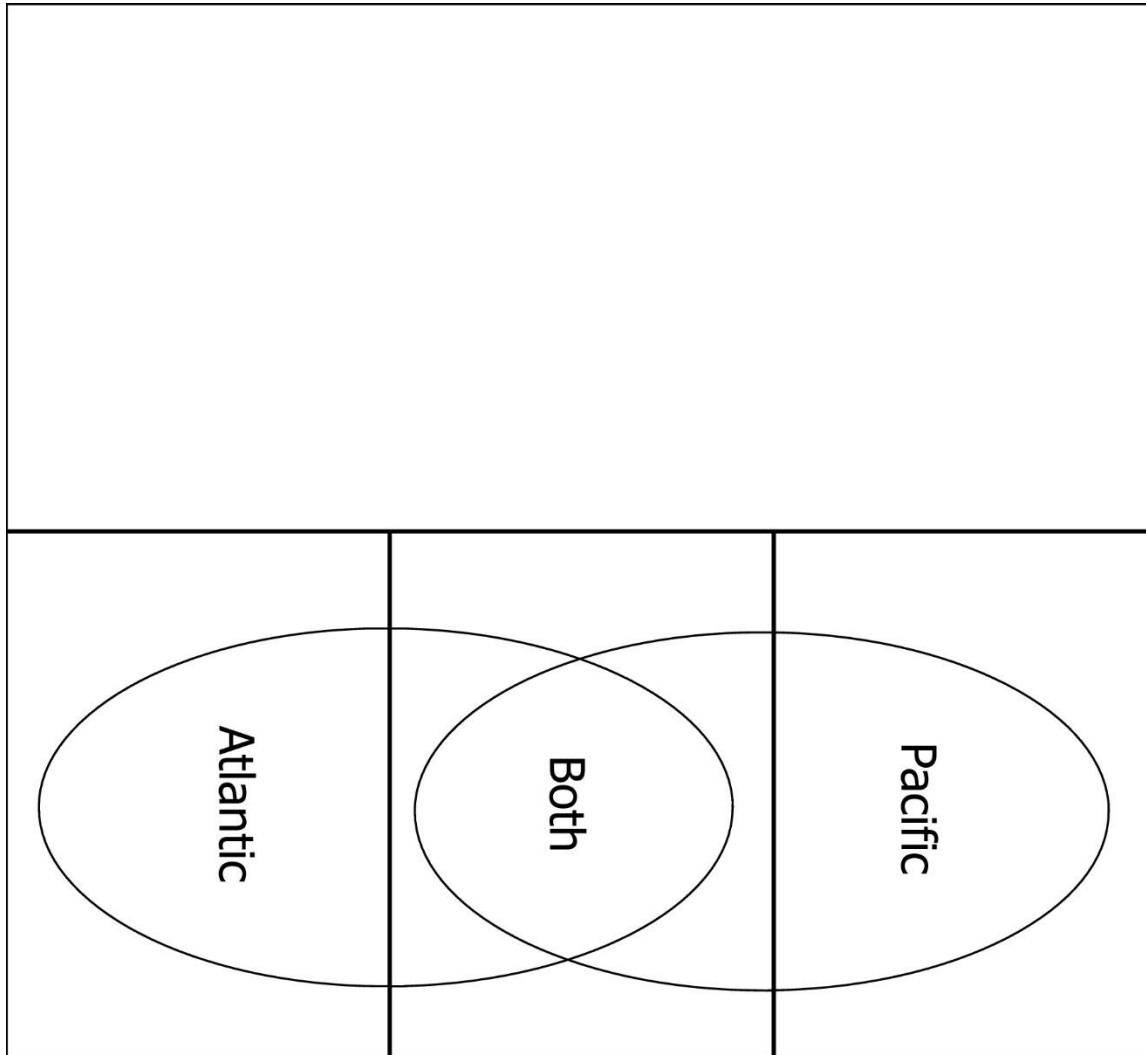


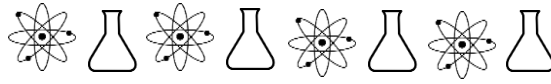
Percentage of the world's sea water



Ocean Lapbook

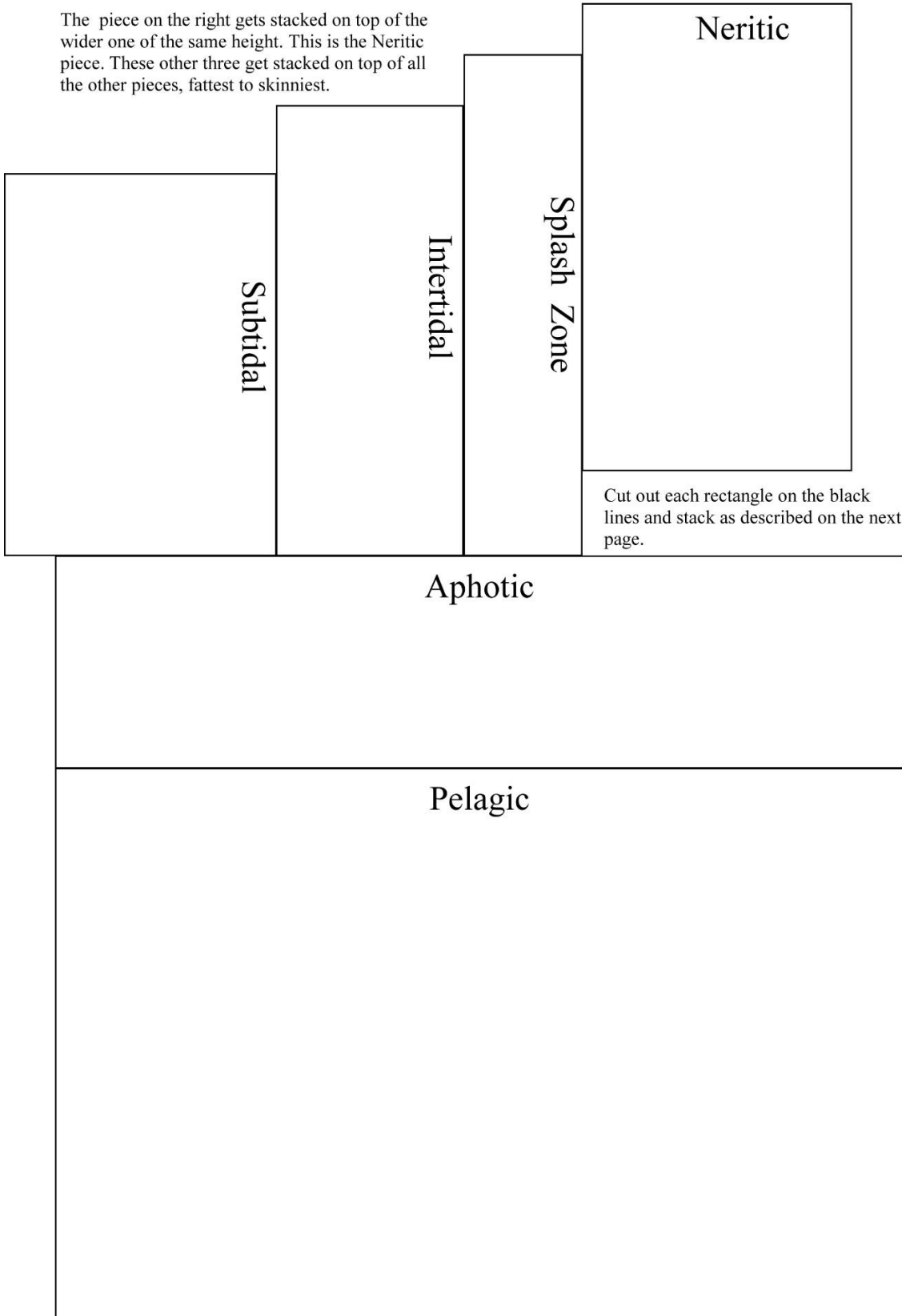
Cut out as one piece. Fold in half and crease well. Cut on the two black lines separating the words to make three flaps. Simply fill in one thing in each from the website or search for some more info on your own.



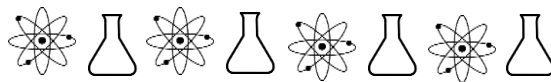


Ocean Lapbook

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.



Ocean Lapbook

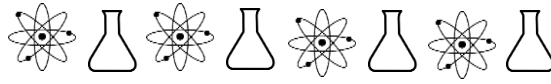
Oceanic

Cut out each rectangle on the black lines.

Euphotic

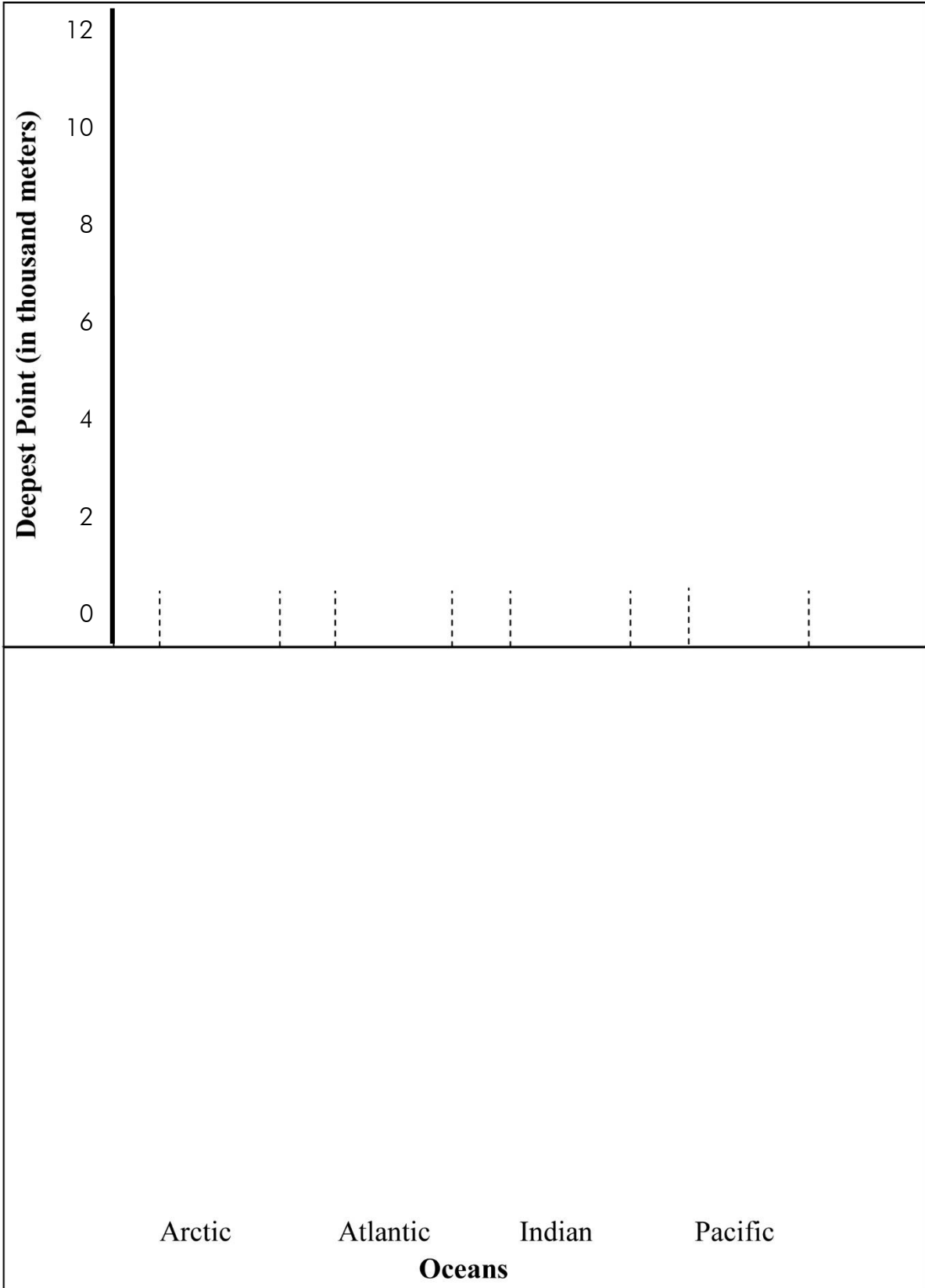
Stack with the others with the shortest in front. Then the three from the other page go in front. Make a cover out of sand colored paper (if possible). Cut it to look like the descending land in the diagram. Staple all together. Older students can write about each one. Use the Light Zones page. Younger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

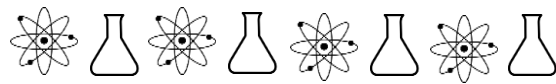
Disphotic



Ocean Lapbook

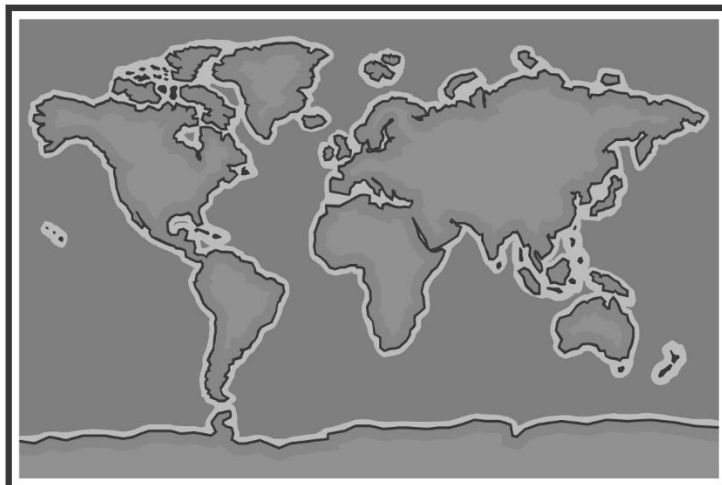
Use the instructions online to complete this piece.

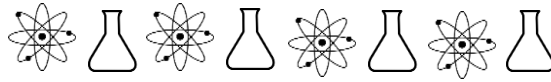




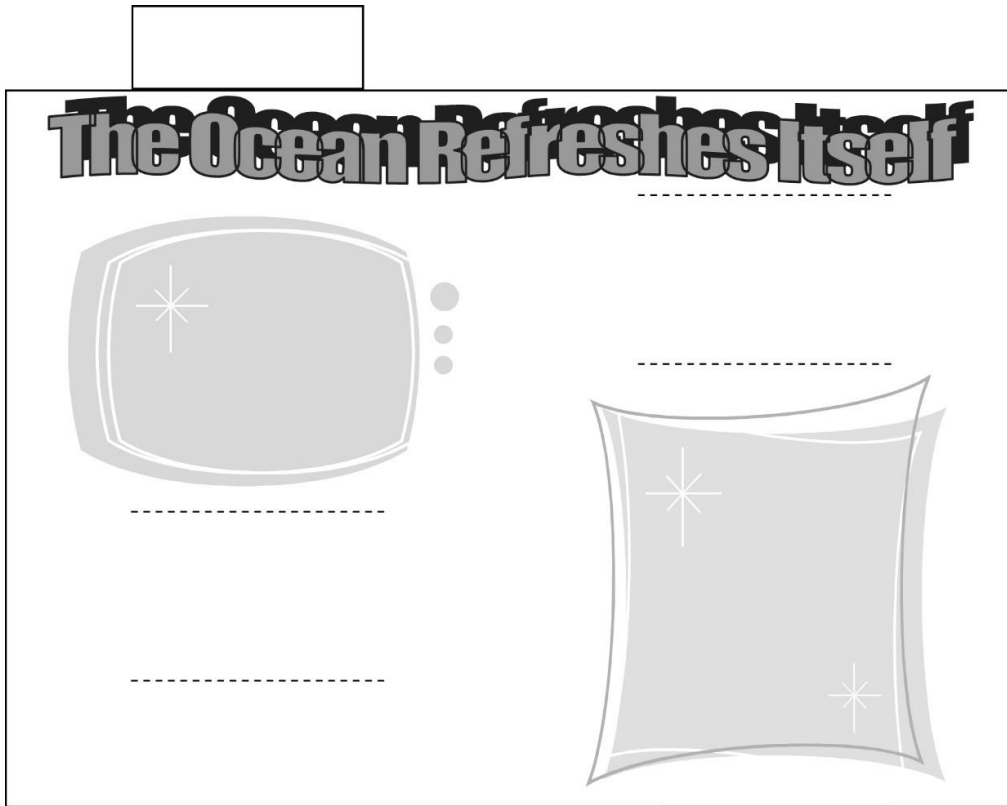
Ocean Lapbook

How Deep is the Ocean?





Ocean Lapbook



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..."

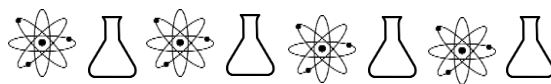
When you attach to the lapbook, only glue down the sides and middle.

Sinks

Cold water

Water flows toward the equator

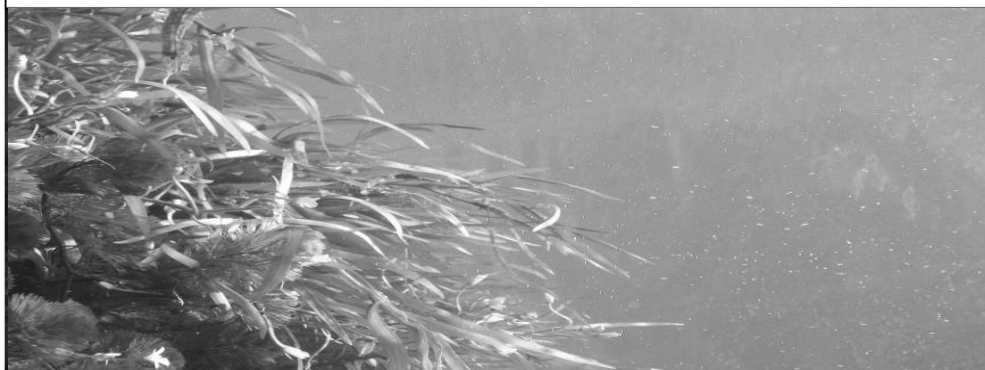
Pushing water up to the surface

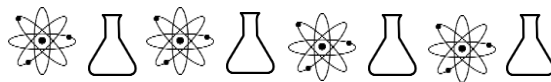


Ocean Lapbook

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

Are
There
Forests
In
The
Ocean?

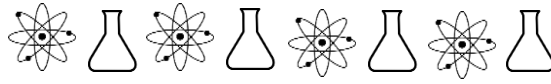




Big Dipper

Find the big dipper in this picture. If you want to, take this page outside tonight and use it to try to find the Big Dipper in the sky.





Research Notes

Use these pages to make notes on your topic.

Topic: _____

Resource 1: _____

Info: _____

Info: _____

Info: _____

Info: _____

Info: _____

Info: _____

Resource 2: _____

Info: _____

Info: _____

Info: _____

Info: _____

Info: _____

Info: _____

Resource 3: _____

Info: _____

Info: _____

Info: _____

Info: _____

Info: _____

Info: _____

Resource 4: _____

Info: _____

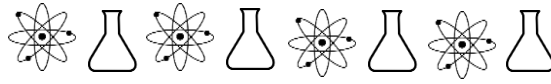
Info: _____

Info: _____

Info: _____

Info: _____

Info: _____



Resource 5: _____

Info: _____

Info: _____

Info: _____

Info: _____

Info: _____

Info: _____

Resource 6: _____

Info: _____

Info: _____

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Resource 7: _____

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Resource 8: _____

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Info: _____

Resource 9: _____

Info: _____

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Info: _____

Info: _____

Info: _____