

Scientific Method & Measurement

Name:

States of Matter Foldable

Period:

By now, you should have been given a piece of paper that has printing on both sides. You will be adding information and drawings to this paper to show examples of different states of matter. Once completed, you will be able to compare the different types. Follow the instructions in the checklist below, and check off each step as you complete it.

_____ 1) Put the paper in front of you so you can see the drawings on it. Fold it vertically along the dotted lines on the left and right side so the edges of the paper meet in the center. The drawings should now be hidden, and you should now see three dashed lines going across the paper.

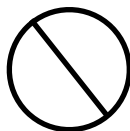
_____ 2) Label each of the four sections separated by the dashed lines. Write the four different states of matter across the center of the paper so the word goes across both flaps. When done, your paper should look like this:

SOLID
LIQUID
GAS
PLASMA

_____ 3) For the background of each state of matter, make colored drawings of examples of that kind of state of matter. When done, your liquid section should have colored drawings of different kinds of liquids, the solid section should have colored drawings of different kinds of solids, etc.

_____ 4) With scissors, cut each of the dashed lines so you can peek under the flaps.

_____ 5) Under the left flap, if the state of matter can change its shape, color in the graphic there. If the state of matter can NOT change its shape, use a red color to make a circle and a slash through the graphic:



_____ 6) Under the right flap, if the state of matter can change its volume, color in the graphic there. If the state of matter can NOT change its volume, use a red color to make a circle and a slash through the graphic like you did for shape.

_____ 7) In the section for “what particles look like”, draw what particles of that state of matter would look like if they were in a jar under a very powerful microscope. Be sure to draw their motion, too.

_____ 8) In the section for “describing particle movement”, use words to describe how the particles in that type of state of matter move around.

_____ 9) Put your name and period on the back of the organizer, and turn it in.