

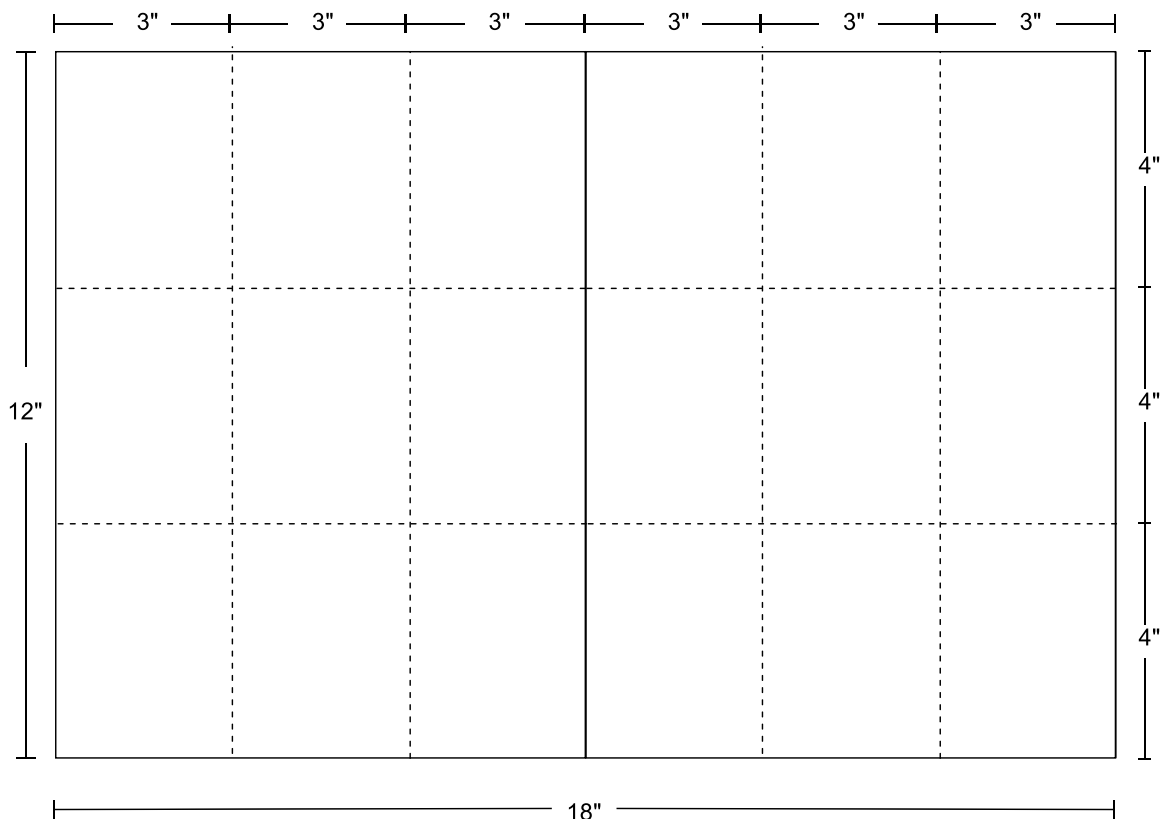
GROUP PROJECT – CONSTRUCT THE PERIODIC TABLE OF THE ELEMENTS

Needed Supplies

- Foam poster board, 60" x 40" (provided)
- Multi-colored construction paper (provided)
- Glue sticks (provided)
- Ruler
- Pencil
- Fine tip black marker / pen
- Course tip marker / Sharpie (black, red, blue)
- Scissors, box cutter or razor blade for cutting construction paper
- Cutting board (if box cutter or razor blade is used)

Activities

1. Done at home. You will be given a single sheet of construction paper that is 18" long by 12" wide. Using a ruler and a pencil, carefully draw straight lines that will divide the paper into 18 identical 3" x 4" blocks. Now, using scissors, cut along the lines to produce the individual blocks. Alternatively, you may use a box cutter or razor blade with the ruler as a straight edge to make the cuts. If you chose this option, be sure to work on a cutting board so as not to damage your table, floor, or counter top. Be patient and work slowly. The straighter and more accurate your cuts are, the better our Periodic Table will look!



2. Homework. Use your textbook, or search online (Wikipedia?) to learn all that you can about your assigned four elements. Report your findings on the last two pages of this handout and turn it in for evaluation.

3. Use the information that you learned in the second step above to create your elements' blocks. Again, be patient and work slowly. It is a good idea to use a ruler and pencil to make measurements and to mark what you wish to write before filling it all in with permanent marker.

3"			4"
		6	
C			
Carbon			
12.011			

3"			4"
		80	
Hg			
Mercury			
200.59			

3"			4"
		2	
He			
Helium			
4.0026			

Black = Solid

Blue = Liquid

Red = Gas

4. Once all the elements' blocks have been constructed, we will paste them together on the poster board as a class, and we will have our new periodic table!

CHEMISTRY A: HONORS CHEMISTRY

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MY FOUR ELEMENTS

Name: _____

Element Name: _____

Atomic Symbol: _____

Atomic Number (Z): _____

Atomic Mass (amu): _____

Electron Configuration: _____

Known Isotopes: _____

Metal, Nonmetal, or Metalloid: _____

Main Group, Transition Metal, Lanthanide or Actinide: _____

State at room temperature and pressure (solid, liquid, gas): _____

Common Uses (may not apply to all elements): _____

Element Name: _____

Atomic Symbol: _____

Atomic Number (Z): _____

Atomic Mass (amu): _____

Electron Configuration: _____

Known Isotopes: _____

Metal, Nonmetal, or Metalloid: _____

Main Group, Transition Metal, Lanthanide or Actinide: _____

State at room temperature and pressure (solid, liquid, gas): _____

Common Uses (may not apply to all elements): _____

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Element Name: _____

Atomic Symbol: _____

Atomic Number (Z): _____

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Metal, Nonmetal, or Metalloid: _____

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State at room temperature and pressure (solid, liquid, gas): _____

Common Uses (may not apply to all elements): _____
