# Confine all work to one sheet of graph paper, one side

1. In class we’ve collected data to construct a heating curve for water. Complete research on a given substance to construct a heating curve on some other substance, following the instructions here.

2. Present your final work neatly, in ink, on a single side of a sheet of graph paper.

2. Given the substance you are assigned:

a) Look up the melting and boiling point. Write them in the corner of your graph. Cite your sources (if you use Wikipedia, you need to cite the sources within Wikipedia. You can not cite Wikipedia webpage itself as the source. MLA, always.)

b) List two interesting facts about your substance (example: what is it used for or where is it found or how is it made?)

c) Choose a starting temperature that is lower than the melting point and an ending temperature above the boiling point of the substance. Your choice should be evident from the shape of your graph.

d) Draw a temperature-time graph of the situation you setup on the given graph paper. Make sure your temperature scale is setup with even intervals. Label all temperatures involved (melting point, boiling point) on the temperature axis. Label axes and give the graph a title. The graph should be as big as possible on the graph paper.

e) What phase is your substance at room temperature (+20 C). Answer in a full sentence on the front of your graph.