

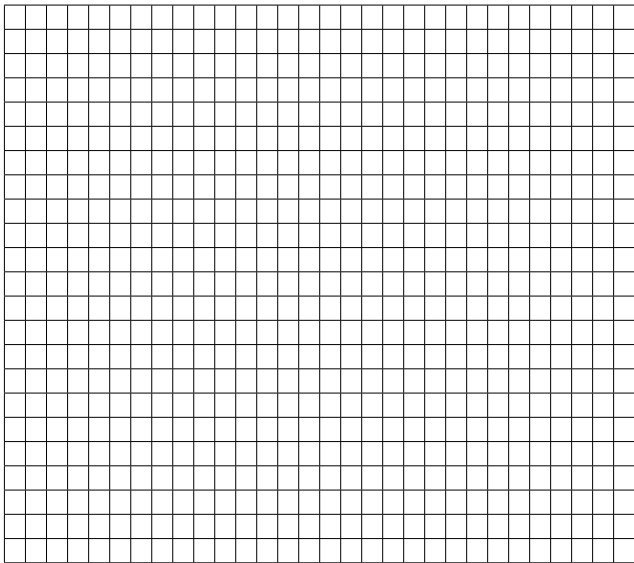
## Making Predictions

### Going Further:

Element	Melting Point (Kelvin)
Fluorine	
Chlorine	
Bromine	
Astatine	

•Use your computers to find the melting point (in Kelvin) of the following halogens. Create a graph comparing the melting point (vertical axis), and the period (horizontal axis).

•To estimate the melting point for iodine, draw a dotted line from the 5 on the horizontal axis to the solid line. Then, draw a dotted line from the vertical axis to the solid line. Read and Record the melting point of Iodine.



Calculate the percent error as you did in the lab for the melting point of Iodine. The accepted value of Iodine is 367 Kelvin. Show your work in the space below.

$$\% \text{ Error} = \frac{\text{Estimated value} - \text{Accepted value}}{\text{Accepted value}} \times 100$$