Replacement lab for page 41-49 in lab book

How is the solubility of a salt determined?

http://www.glencoe.com/sites/common_assets/science/virtual_labs/PS15/PS15.html

What is the purpose of this lab?

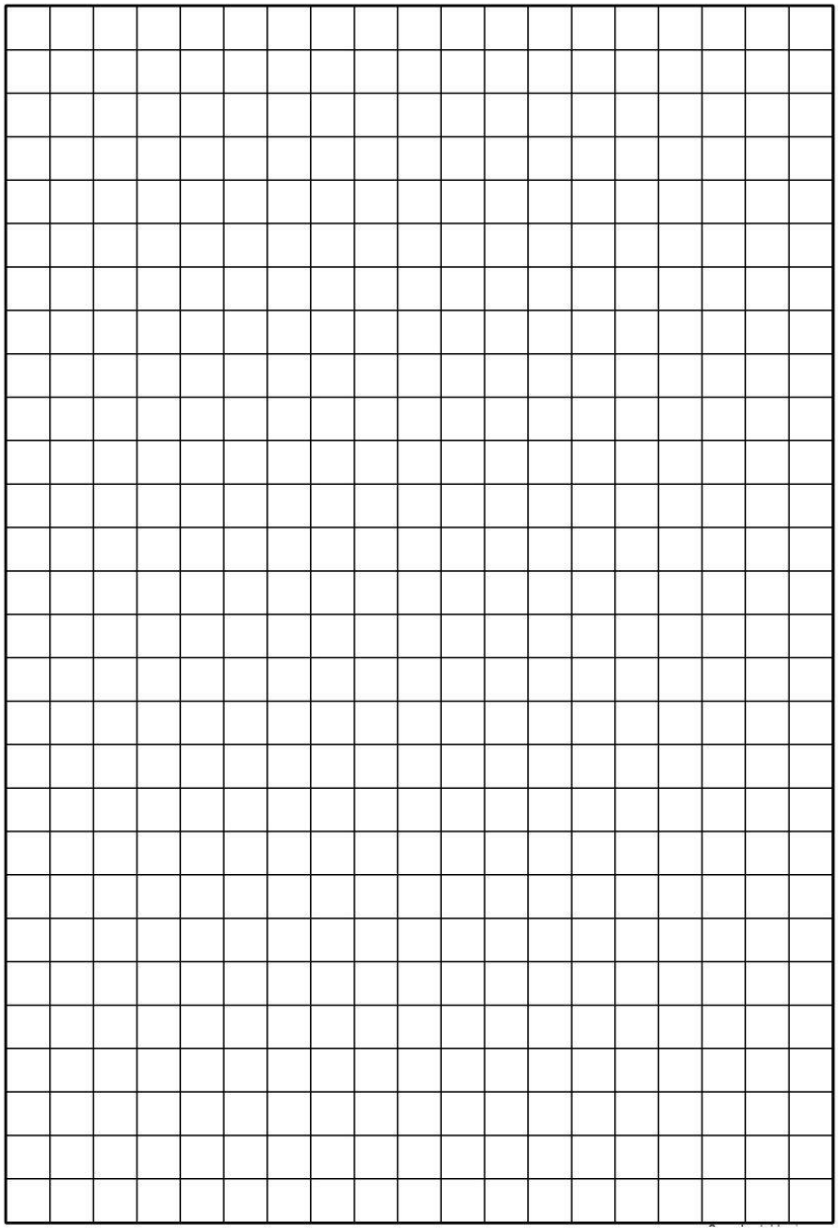
Write a hypothesis about the temperature and the saturation of a salt.

Choose 3 of the substances available and determine the maximum number of grams that are able to dissolve at each temperature.

Temperature °C	Substance 1=	Substance 2 =	Substance 3 =
0 °C			
20 °C			
60 °C			
100 °C			

Graph: Complete the graph on the next page. Be sure to label the X and Y axes.

Analysis:

1. What is the relationship between saturation and temperature?

2. Which of the three substances that you tested has the greatest solubility at each temperature? Support your answer with evidence from your table or graph.