

Lesson 116

Reading Graphs Part II

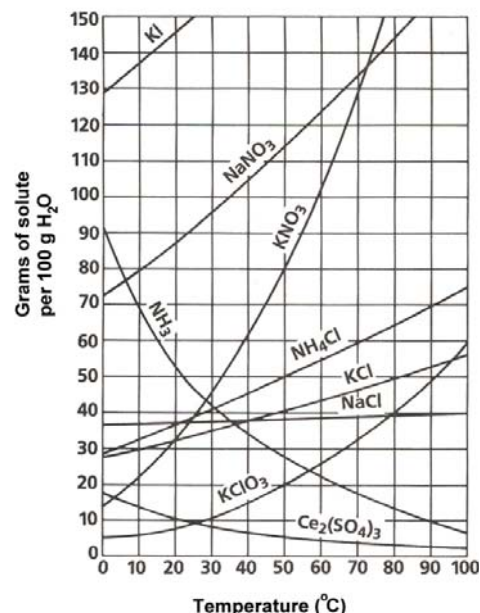
1. The graph below is called a **solubility graph**. **Solubility** means how much will dissolve. What are the two variables in this graph?

A) Independent → _____

B) Dependent → _____

2. This graph shows the relationship between temperature and how much of a substance dissolves. Based on the graph, would you say that most substances become more or less soluble when the temperature is increased?

more soluble less soluble



3. For which substance does the solubility increase most significantly?

NH₃ KNO₃ NaNO₃ NaCl

4. Which substance appears to decrease in solubility as the temperature goes up?

NH₃ KNO₃ NaNO₃ NaCl

5. How many grams of NaCl will dissolve at a temperature of 30°C? _____

6. Which of the following energy conversions describes what happens when a guitar string is plucked?

- A) Potential to sound
B) Mechanical to sound
C) Electrical to sound



7. This morning on my window, I saw what looked like a dead leaf. When I reached to take it off, it flew away. This moth displayed which adaptation?

Camouflage Mimicry Warning coloration

8. Complete the table listing the layers of the atmosphere (in order from closest to farthest) and what happens in each layer.

Layer	Description
troposphere	
stratosphere	
mesosphere	
thermosphere	
exosphere	

9. Compare each zone in the ocean ecosystem in the following chart:

Zone	Water Movement (calm or very active for example)	Temperature	Amount of Sunlight
Intertidal			
Neritic			
Oceanic			
Benthic			

10. Which of the following is not one of the four basic molecules of life?

- A) Proteins
- B) Lipids
- C) Carbohydrates
- D) Chlorophyll

