

## *Interpreting Data From Solubility Curves Answer Key*

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### Interpreting Data From Solubility Curves

The line marks the saturation point of a solute in 100 grams of water. If you have fewer grams dissolved than indicated by the line then your solution is unsaturated. If you have more, then your solution is beyond the saturation point and the extra solute will not dissolve.

### Interpreting Solubility Curve Graphs

INTERPRETING DATA FROM SOLUBILITY CURVES. NAME \_\_\_\_\_ DATE \_\_\_\_\_ DIRECTIONS: Use the handout graph to solve the following problems. \_\_\_\_\_ 1) What is the solubility of potassium nitrate in 100 grams of water at 100 °C ? \_\_\_\_\_ 2) What is the solubility of potassium chloride in 100 grams of water at 50 °C ?

### INTERPRETING DATA FROM SOLUBILITY CURVES

Interpreting solubility curves. What is the solubility of gases? • As temperature increases solubility decreases • As temperature decreases solubility increases • This is known as inversely proportional - they do DIFFERENT things! What is the solubility of gases? • Which substance is a gas? Practice • Can more sugar dissolve in tea...

### Interpreting solubility curves - SlideShare

Interpreting Solubility Curves Model Table1. Solubility Data Temperature (°C) Solute (g) per 100g of H<sub>2</sub>O (l) 10 33 30 42 50 52 70 62 90 73 Task Complete the model: Using the grid below make a graph of the solubility data in Table 1. a. Label x-axis, y-axis and create appropriate scales for each. b. Plot points using a pencil Key Questions 1.

### Interpreting Solubility Curves

This Interpreting Data From Solubility Curves Worksheet is suitable for 9th - Higher Ed. In this solubility activity, students use a graph handout to determine the solubility of different compounds. This activity has 25 fill in the blank questions.

### Interpreting Data From Solubility Curves Worksheet for 9th ...

USE THE SOLUBILITY GRAPH TO ANSWER THE FOLLOWING \_\_\_\_\_ 1) What is the solubility of potassium iodide in 100 grams of water °C? ... INTERPRETING DATA FROM SOLUBILITY CURVES Name. Title: Microsoft Word - Interpret Solubility and graph.doc Author: Kathleen Created Date:

### INTERPRETING DATA FROM SOLUBILITY CURVES

Create a free account! What can we learn from the solubility curves above? The solubility of each solute increases with the increase in temperature. The solubility of each solute decreases with the increase in temperature. Solubility of ammonia decreases with the increase in pressure. Solubility of ammonia decreases with the increase in temperature.

### Braingenie | Interpreting Solubility curves

How to Read Solubility Curves - Interpreting Solubility... Chemists use this type of information when preparing solutions. Solutions are combinations of two or more substances that exist together in a homogeneous mixture. □ Determine solubilities based on information presented in table format. This preview has intentionally blurred sections.

### How to Read Solubility Curves - Interpreting Solubility ...

Basic understanding of how to read a solubility curve. Sample problems for students to work through.

### Interpreting Solubility Curves

Interpreting Solubility Curves Model Table1. Solubility Data Temperature (qC) Solute (g) per 100g of H<sub>2</sub>O (l) 10 33 30 42 50 52 70 62 90 73 Task Complete the model: Using the grid below make a graph of the solubility data in Table 1. a. Label x-axis, y-axis and create appropriate scales for each. b. Plot points using a pencil Key Questions 1.

### **Interpreting Solubility Curves - roskinlanetech.weebly.com**

SOLUBILITY CURVES WORKSHEET 1.) Which compound is least soluble at 20 oC? At 80 oC? 2.) Which substance is the most soluble at 10 oC? oAt 50 oC? At 90 C? 3.) The solubility of which substance is most affected by changes in temperature? 4.) The solubility of which substance is least affected by changes in temperature? 5.)

### **SOLUBILITY CURVES WORKSHEET - msduncanchem.com**

Answer--> A Explanation: See Table G. Steep curves reflect the greatest effect. Solubility curves that change the least (y axis) reflect compounds for which temperature has the least effect. Notice how solubility of SO<sub>2</sub> decreases with an increase in temperature.

### **Solubility Curves - AP Chemistry**

Here is an example of a solubility curve: It has temperature plotted against grams of solute per 100 g water. This is what you will typically see on a solubility curve. The lines on the solubility curve indicate a saturated solution - a solution that has the maximum amount of solute dissolved in 100 g of water.

### **Solubility and Solubility Curves - Study.com**

SOLUBILITY CURVE WORKSHEET KEY Use your solubility curve graphs provided to answer the following questions. 1. What are the customary units of solubility on solubility curves? Degress Celsius and grams of solute/100g of water 2. Define solubility. A measure of how much solute can dissolve in a given amount of solvent. 3.

### **SOLUBILITY CURVE WORKSHEET**

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