Spring Term 1 Year 7 Matter Extended Homework Assignment Extension Activities



Name:	 	
Teacher: _		

Instructions

Please complete all sections as an Extension activity
You will need to complete sections as you work through the topic

A printed copy should be handed into your teacher.

Matter

These tasks are designed to help you fully demonstrate your extending understanding of particle theory. You need to work independently and use science key words along with good spelling and punctuation. You may do the tasks in any order, but all need to be completed fully.

Look at the table below of melting and boiling points of substances.

Substance	Melting point (°C)	Boiling point (°C)
gallium	30	2205
ethanol	-114	78
oxygen	-218	-183
water	0	100

hat
om of it.

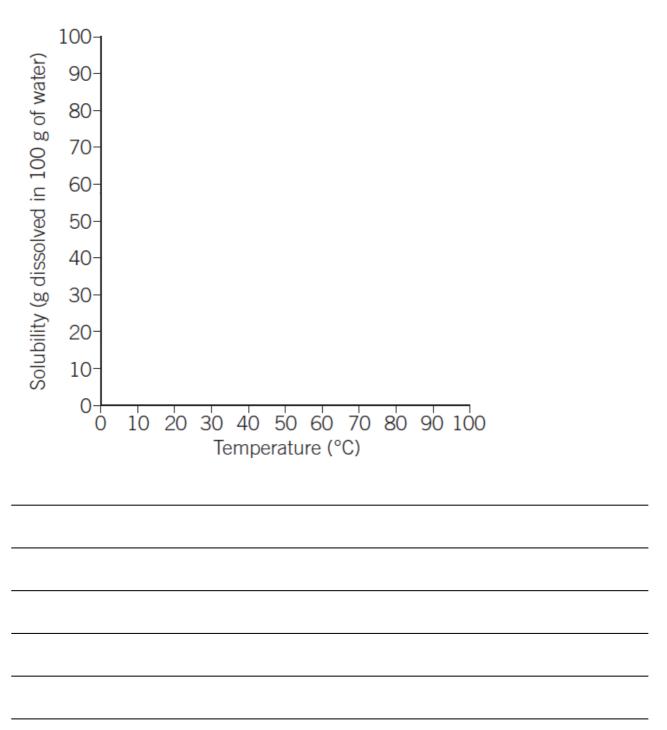
would ha	ippen if you ipport your a	ed, empty	plastic bot	tle into a 1	freezer? Dra	w pa
would ha		ed, empty	plastic bot	tle into a 1	freezer? Dra	w pa
would ha		ed, empty	plastic bot	tle into a t	freezer? Dra	w pa
would ha		ed, empty	plastic bot	tle into a t	freezer? Dra	w pa
would ha		ed, empty	plastic bot	tle into a t	freezer? Dra	w pa
would ha		ed, empty	plastic bot	tle into a t	freezer? Dra	w pa
would ha		ed, empty	plastic bot	tle into a t	freezer? Dra	w pa
would ha		ed, empty	plastic bot	tle into a t	freezer? Dra	w pa
would ha		ed, empty	plastic bot	tle into a f	freezer? Dra	w ра
would ha		ed, empty	plastic bot	tle into a t	freezer? Dra	w pa
		ed, empty	plastic bot	tle into a t	freezer? Drav	w pa

Task 4

On the axes below, sketch lines to represent three different substances (that have difference solubility values) dissolving at different temperatures.

Describe what is happening to each substance, making sure you explain how the solubility changes with increasing temperature.

Note: You do not need to use data about real substances – you can make up what happens to your three substances.



Task 5

You a	lso need to	expiaiii	HOW YOU	a coula c	161611111116	: II LIIE W	acci y c	u obtain	is pui
		•	,				,		•
Explai	bottles of n, using di m which bo	agrams (of any p	ractical t	echnique	s you m	ay use,	how you	
Explai	n, using di	agrams (of any p	ractical t	echnique	s you m	ay use,	how you	
Explai	n, using di	agrams (of any p	ractical t	echnique	s you m	ay use,	how you	
Explai	n, using di	agrams (of any p	ractical t	echnique	s you m	ay use,	how you	
Explai	n, using di	agrams (of any p	ractical t	echnique	s you m	ay use,	how you	
Explai	n, using di	agrams (of any p	ractical t	echnique	s you m	ay use,	how you	
Explai	n, using di	agrams (of any p	ractical t	echnique	s you m	ay use,	how you	
Explai	n, using di	agrams (of any p	ractical t	echnique	s you m	ay use,	how you	
Explai	n, using di	agrams (of any p	ractical t	echnique	s you m	ay use,	how you	
Explai	n, using di	agrams (of any p	ractical t	echnique	s you m	ay use,	how you	
Explai	n, using di	agrams (of any p	ractical t	echnique	s you m	ay use,	how you	