RHW #2 Random Homework Practice name _____

Directions: These assignments are designed to challenge your memories with problems from the "past" that are not allowed to be forgotten. You can use your notes or the BASICS, but please don't just copy. These will be graded, but if you copy yourself to a 10/10, will you really know it, will you really be challenging yourself, will you really be learning? What's the point? Learning is fundamental to being in high school. Above all else, don't be evil.

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Name the compounds from their formulas, or write the formulas from the names. If you need a Roman numeral, use one. If you need a prefix, use it. We want perfection, a little wrong is still wrong.

MgS			PCl_5	
$CaBr_2$			BF_3	
Ti_2O_3			$(NH_4)_3P$	
Rb_2O			Be_3N_2	
B_2S_3			$NaOH$	
CS_2			SrS_2O_3	
FCl			$Al(ClO_3)_3$	
InP			Hg_2SO_3	
$Ni(NO_3)_2$			AsI_5	
$Ni(NO_3)_3$			CCl_4	
TiO_2			$Mn(CN)_4$	
	Sodium hydrogen carbonate			Iron (II) oxide
	Potassium perchlorate			Iron (III) bromide
	Aluminum dichromate			Phosphorous trichloride

Calculate the molar mass of aluminum oxide, then calculate the percent composition by mass of aluminum in aluminum oxide. Finally, if you have 264 grams of aluminum oxide, how many grams are just aluminum, how many grams are just oxygen

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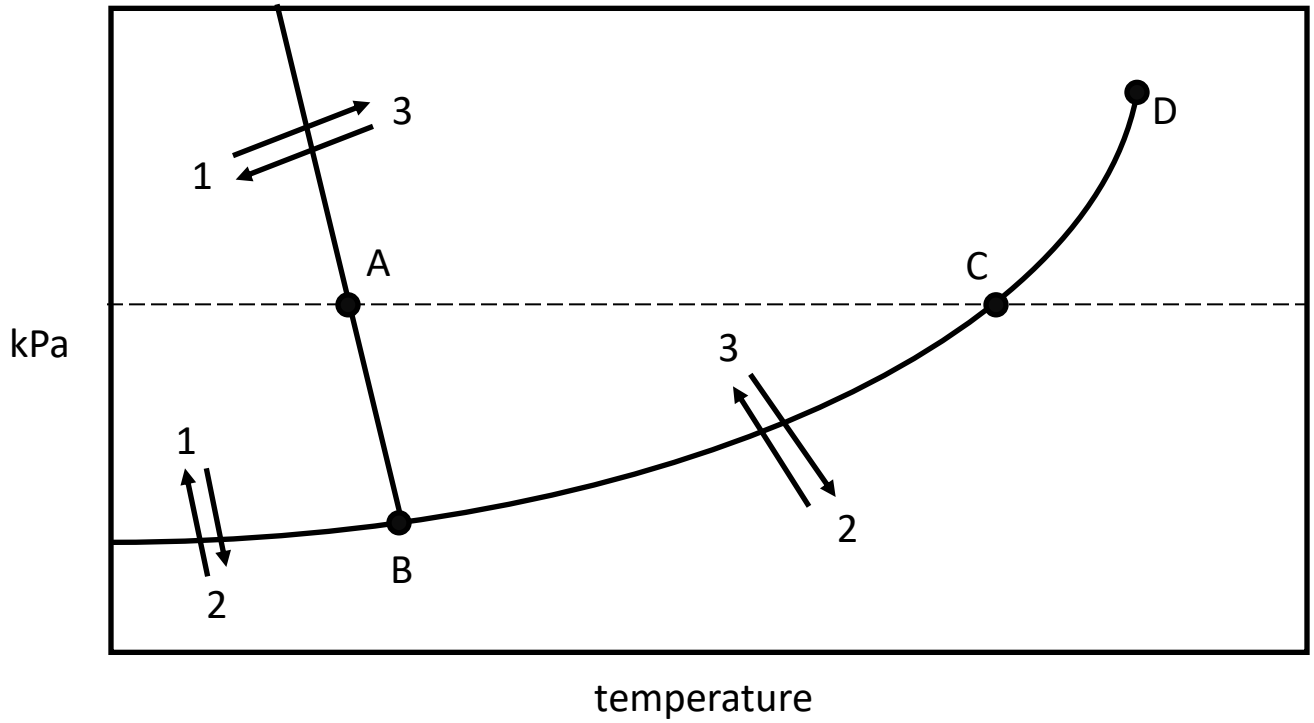
Using the phase diagram for water below to answer the questions that follow.



Name the phase changes that occur when water moves from:

1→2	2→1	3→2
2→3	1→3	3→1

Name point A_____, B_____,

C _____, D_____.

What is the temperature + pressure at point A? _____ Point C? _____