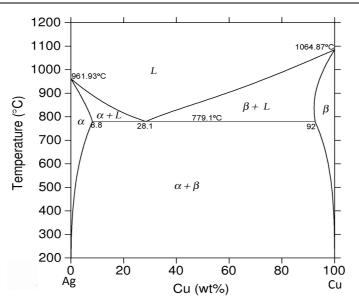


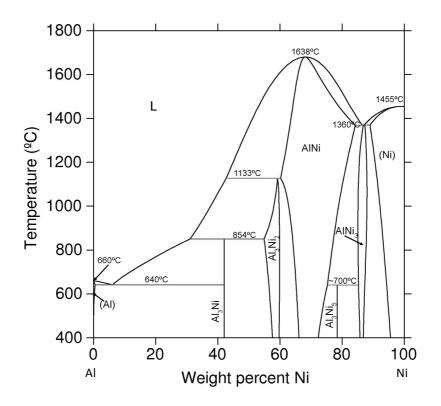
Important: Mark the right answer with a X. The correct answers will mark + 1 points while the incorrect answers will mark as -0.33 points. Non answered questions will not mark nor positively nor negatively. The resulting mark will not be smaller than 0 in any case. There is only one correct answer per question. Good luck!



For t	For the Ag-Cu phase diagram given above:		
	The liquidus temperature for an alloy with 20% Cu is 780°C.		
Х	The microconstituents present at room temperature for an alloy with		
	20% Cu are a' and eutectic microconsituent.		
	The phases present at room temperature for an alloy with 60% Cu are β'		
	and pearlite.		
	The composition of the eutectic microconsituent for an alloy with 60% Cu is		
	92 wt% Cu.		

For the Ag-Cu phase diagram given above:		
	The maximum solubility of Cu in Ag is 92 %.	
	An alloy that contains 25% Cu is called hypereutectic alloy.	
	The composition of the eutectic microconstituent at 779.1°C is 8.8% Cu.	
Х	The microconstituent that forms first during the solidification of an alloy with 60%cu is β' .	

The amount of α in the eutectic microconstituent for an alloy that has a 20% of Cu		
at a temperature of 779°C- Δ T, is about:		
	42 %	
	86 %	
	58 %	
Х	44 %	



For the Al-Ni phase diagram above:		
	AINi is a phase with incongruent melting.	
	Al ₃ Ni is a phase with congruent melting.	
X	The invariant reaction at 1133°C is a peritectic reaction.	
	The invariant reaction at 854°C is a peritectoid reaction.	

	The amount of eutectic microconstituent for an alloy that has 20% Ni at a temperature of 600°C, is about:	
X	63%	
	52%	
	27%	
	48%	