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Courses » Fluid Inclusions in Minerals: Principles, Methodology, Practice and Applications

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**Course
outline****How to
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portal****Week 1****Week 2****Week 3****Week 4****Week 5****Week 6****Week 7****Week 8****Download
Videos****Assignment
Solution****Due on 2018-09-05, 23:59 IST**

1. What are the various source of fluid? [2 marks]
2. What are the various electrolytes and non-electrolytes present in the crustal fluid? [2 marks]
3. What is an objective behind microthermometry study? [2 marks]
4. What are various essential component of microscopic heating cooling system? [2 marks]
5. What is an isochore? What is the effect of NaCl content on isochore when we are considering H₂O-NaCl system from that of pure H₂O? Show with a diagram. [2 marks]
6. Briefly explain the journey of an aqueous fluid inclusion starting from its homogeneous nature to the biphasic state at room temperature condition. [2 marks]
7. Why we are considering wt % NaCl eq to represent the composition of a fluid in case of fluid inclusion when other electrolytes such as CaCl₂, KCl etc do exist in it? [2 marks]
8. Comment on the effect of pressure and temperature on H₂O- CO₂ solvus. What is main factor behind this? [2 marks]
9. There are two CO₂ inclusions: one having vapour bubble and another nucleating upon cooling little down to room temperature condition in its liquid part. Which of them is having higher density in comparison to other? [2 marks]
10. What are the different practices which are usually considered during the fluid inclusion petrography? [2 marks]

Due Date Exceeded.

As per our records you have not submitted this assignment.