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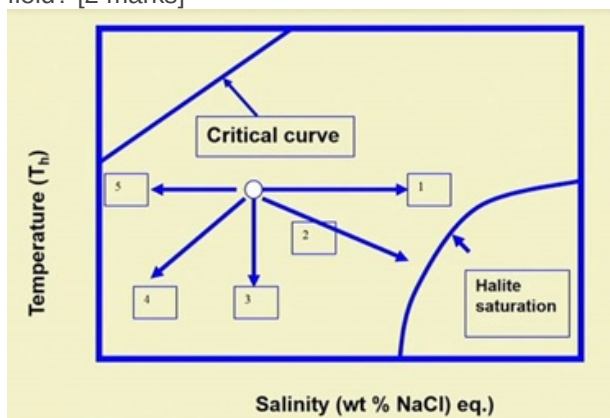
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Courses » Fluid Inclusions in Minerals: Principles, Methodology, Practice and Applications

Announcements Course Ask a Question Progress Mentor FAQ

Due on 2018-09-05, 23:59 IST

1. Define salting out effect? [2 marks]
2. What is freezing point depression and how is it different from super cooling? [2 marks]
3. Define temperature of homogenization and how is it different from temperature of entrapment? [2 marks]
4. What are the parameters on which density of aqueous fluid inclusion is dependent on? Which will be of higher density; aqueous biphasic inclusion at room temperature or at its homogenization temperature condition? Why? [2 marks]
5. What are the various possibilities of homogenization in case of an aqueous biphasic inclusion? [2 marks]
6. What are the various hints which poke towards the metastability of an aqueous biphasic inclusions? [2 marks]
7. Which field will denote evolution of polyphase inclusion in the attached diagram? What will be the probable explanation for aqueous biphasic inclusion without a halite crystal but falling beyond the halite saturation field? [2 marks]



8. What are the probable fluid evolution paths (that is 1,2,3,4, and 5 in the above fluid evolution diagram) that a crustal fluid would behave over a time period?[2 marks]
9. What happens to a fluid inclusion which is heated beyond the temperature of homogenization? Why one should avoid such fluid inclusions for study?[2 marks]
10. What are possible relation that can exist between  $T_{s, NaCl}$  (temperature of halite dissolution) and  $T_h$  (temperature of homogenization)? Mention the temperature (whether  $T_{s, NaCl}$  or  $T_h$ ) which will be used to deduce salinity and density in each case. [2 marks]

**Your Submission:**

Due Date Exceeded.  
As per our records you have not submitted this assignment.

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