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 biphase 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 biphase inclusion? [2 marks]
6. What are the various hints which poke towards the metastability of an aqueous biphase inclusions? [2 marks]
7. Which field will denote evolution of polyphase inclusion in the attached diagram? What will be the probable explanation for aqueous biphase 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.