

Mid-term test**Total marks: 38**

Please write CLEARLY and construct precise sentences. Unreadable hand writing and sentences that are not to the point and precise but of doubtful meaning will not be marked!

Questions:

1. (12 marks): What is the reason for the separation of Earth's core and mantle and which elements were concentrated in the core and in the mantle, according to the homogeneous accretion theory and according to the heterogeneous accretion theory?

2 (6 marks): Which physical parameters are important in concentration processes of clastic sedimentary ore deposits?

3) (10 marks): What is the Nimba Deposit how did it originate and where is it located?

4) (10 marks): What are BIFs and GIFs, which major minerals do they usually contain and when did the different BIF types formed?

3.8

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