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## Short Answer Type Qns.

Q. Which organisms are called Primitive?

Ans. Primitive organisms are those which have ancient/simple body design and have not changed very much with the passage of time.

Q. What is the Primary characteristic on which the first division of organism is made?

Ans. The primary characteristic on which first division of organism is made is the nature of the cell — whether it is prokaryotic or Eukaryotic cell.

Q. How would you choose between two characteristics to be used for developing a hierarchy in classification?

Ans. We should choose the characteristic which is dependent on the previous one and would decide the variety in the next level for developing a hierarchy in the classification.

Q. In the hierarchy of classification, which grouping will have the smallest number of organisms with a maximum of characteristics in common and which will have the largest number of organisms?

Ans. Species will have the smallest and Kingdom will have the largest number of organisms.

Q. what is the criterion for classifying organisms as belonging to kingdom Monera or Protista?

Ans. Prokaryotes belong to kingdom Monera and single celled eukaryotes belong to kingdom - Protista.

Q. which division among plants has simplest organisms?

Ans. Division Thallophyta has simplest organisms.

Q. In which kingdom will you place an organism which is single-celled eukaryotic and photosynthetic?

Ans. Protista is the kingdom to which single-celled, eukaryotic and photosynthetic organisms belong.

Q. what do you mean by 'characteristics'?

Ans. characteristics means a particular form or particular function of any organism. e.g. Presence of hump in camel and spiny leaves in cactus.

Q. what is a species?

Ans. Species is defined as a dynamic group of organisms, which resemble each other in various aspects e.g. structure and function and they interbreed to produce their own kind.