

# Science

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(Chapter – 7) (Diversity In Living Organisms)

(Class – IX)

Page 82

## Question 1:

Which do you think is a more basic characteristic for classifying organisms?

- (a) the place where they live.
- (b) the kind of cells they are made of. Why?

## Answer 1:

The kind of cells an organism is made of is more basic characteristic of classifying organism because it gives a scientific angle to classification. Moreover, a particular dwelling place can be full of organisms of a wide variety.

## Question 2:

What is the primary characteristic on which the first division of organisms is made?

## Answer 2:

Organisation of nucleus is the primary characteristic on which the first division of organisms is made. Based on this, organisms can be either prokaryotic or eukaryotic.

## Question 3:

On what bases are plants and animals put into different categories?

## Answer 3:

Plants are autotrophs, while animals are heterotrophs. Cell wall is present in plant cells, while it is absent in animal cells. Plants do not need to move from one place to another, while most of the animals need to move in search of food.