



# BIOLOGY

## NCERT - NCERT BIOLOGY(HINGLISH)

### DIVERSITY IN LIVING ORGANISMS

#### Exercise

1. Why do we classify organisms?



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2. Give three examples of the range of variations that you see in life-forms around you.



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3. 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?



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4. What is the primary characteristic on which the broad division of organisms is made?



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



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6. Which organisms are called primitive and how are they different from the so-called advanced organisms?



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7. Will advanced organisms be the same as complex organisms? Why?



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**8.** What is the criterion for classification of organisms as belonging to kingdom Monera or Protista?



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



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



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**11.** Which division among plants has the simplest organisms?



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**12.** How are pteridophytes different from the phanerogams?



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**13.** How do gymnosperms and angiosperms differ from each other?



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**14.** How do poriferan animals differ from coelenterate animals?



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**15.** How do annelid animals differ from arthropods?



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**16.** What are the differences between amphibians and reptiles?



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**17.** What are the differences between animals belonging to the Aves group and those in the mammalia group?



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**18.** What are the advantages of classifying organisms ?



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



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**20.** Explain the basis for grouping organisms into five kingdoms.



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**21.** What are the major divisions in the Plantae ?  
What is the basis for these divisions ?



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**22.** How are the criteria for deciding divisions in plants different from the criteria for deciding the subgroups among animals ?



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**23.** Explain how animals in Vertebrata are classified into further subgroups.



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