

**Niscort Father Agnel School, Vaishali**  
**Self Learning Worksheet**  
**Biology-Class 9**  
**Chapter-7 Diversity in living organisms**

Q1) What is the basic unit of classification? Make a flow chart to show the hierarchy of classification in plants and animals.

Q2) Compare the following

- a) **Annelids and Arthropods**
- b) **Aves group and Mammalia group**
- c) **amphibian and reptilia**

Q3) Ameoba and Euglena are classified under which group? What is the characteristic feature of this group? In which way does an Amoeba differ from Euglena?

Q4) Both Kites and bats are aerial organisms then why are they placed in different classes of vertebrates?

Q5) Prepare a key to identify the group to which a rose plant belongs according to its characteristics.

Q6) Why there is a need for systematic naming of living organisms?

Q7) Differentiate between Amphibians and Reptiles

Q8) Compare and contrast Poriferans and Coelentrates.

Q9) Prepare a key to identify the class to which a pigeon belongs.

Q10) Mention 4 general characters of mollusca. Give two examples also.

Q11) Write a short note on echinoderms.

Q12) What do you mean by triploblastic organisms? Give two examples.

Q13) Identify the phylum :

- a) pila
- b) scorpion
- c) earthworm
- d) planaria
- e) sea anemone

Q14) Explain the terms:

- a) acoelomate
- b) radial symmetry
- c) pseudocoelomate

Q15) Explain the features of round worms.

Q16) Why is whale not classified as a fish?

Q17) Write a comparative account on arthropoda and mollusc.

Q18) Differentiate the nature of skin in five classes of chordates.

Q19) Explain the basis of grouping organisms into chordata and non chordata.