



BIOLOGY

BOOKS - PSEB

THE LIVING WORLD

Exercise

1. Why do we classify organisms ?



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2. Why are the classification systems changing every now and then?



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3. What different criteria would you choose to classify people that you meet often?



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4. What do we learn from identification of individuals and populations?



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5. Given below is the scientific name of Mango.

Identify the correctly written name.

A. *Mangifera Indica*

B. *Mangifera indica*

C.

D.

Answer:



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6. Define a taxon. Give some examples of taxa at different hierarchical levels.



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7. Can you identify the correct sequence of taxonomical categories: `Species,Order, Phylum, kingdom



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9. Can you identify the correct sequence of taxonomical categories:

Species → *Genus* → *Order* → *Phylum*



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10. Try to collect all the currently accepted meanings for the word 'species'. Discuss with your teacher the meaning of species in case of higher plants and animals on one hand, and bacteria on the other hand.



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11. Define and understand the following terms:

Phylum



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12. Define and understand the following terms:

Class



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13. Define and understand the following terms:

Family



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14. Define and understand the following terms:

Order



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15. Define and understand the following terms:

Genus



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16. How is a key helpful in the identification and classification of an organism?



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17. Illustrate the taxonomical hierarchy with suitable examples of a plant and a animal.



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