Classification

1. Classification –
2. Why classify?


6. Taxonomy –
7. Early classification
8. Aristotle –
9. Classification based on –
10. Problems –
11. Carolus Linaeus –
12. Classification based on –
13. Two important contributions

* Hierarchical classification –
* Binomial nomenclature –

1. Hierarchical classification –
2. At each level -
3. Naming Organisms
4. Scientific name –
5. Why not use common names?


9. Names are written in \_\_\_\_\_\_\_\_\_\_ . Why?

12. Polynomial –
13. Binomial nomenclature -



1. Rules for writing scientific names





8. Example:
9. What does a third name mean?

12. Abbreviating
14. Example:
15. Dichotomous key –
16. How many kingdoms are there?
17. Began as \_\_\_\_\_\_\_\_:
18. Technology –
19. Light microscope –
20. Electron microscope –
21. Molecular analysis -
22. Became \_\_\_\_\_\_\_\_ - added:
23. Some say \_\_\_\_\_\_\_ - splitting:
24. Others say \_\_\_\_\_\_\_ - splitting:
25. Others say \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_:
26. The trend is leading to -
27. What determines the kingdom?
28. Cell type
29. Prokaryotic –
30. Eukaryotic -
31. Cell number
32. Single celled –
33. Multi celled -
34. Feeding type
35. Autotrophic -
36. Heterotrophic -

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| **Kingdom** | **Cell Type** | **Cell Number** | **Feeding Type** | **Example** |
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1. Phylogenetic trees –
2. Closely related species –
3. How are relationships determined?
4. Physical features –

* Problem:

1. Biochemistry -