

DPM Review

1. What are the stages of the Cell Cycle?
2. Why do scientists classify organisms? How do they classify them?
3. List in order the taxon groups, starting with Domain (most general) to species (most specific). Which organisms are more closely related? Which organisms are least related?
4. Draw and label a DNA molecule. Where are the sugars and phosphates located? Where are the bases located?
5. What nitrogenous bases pair up in DNA and in RNA? Why are the bases important?
6. Name 2 sources of genetic variation for organisms?
7. What is the importance of DNA replication for the cell cycle?
8. What is an enzyme?
9. Draw and label the structure of a virus.
10. Compare and contrast a prokaryotic cell to a eukaryotic cell.

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