Biology Kingdoms of Life and Classification Book

Directions

PROJECT DUE: This project is worth a TEST GRADE!

Use two pieces of paper to make a booklet. By using the front and back of each paper, you will have eight sides to work on. Make sure you label each page and fill it out completely to receive full credit.

This is what needs to be on each page:

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| Page # | Page Title | What needs to be on this page |
| 1 | Kingdoms of Life and Classification Book | * Title of the book * Your name * Table of contents (what is on each page of this book) |
| 2 | Classification and  Timeline of Evolution | * List the 8 levels of taxonomy from most general to most specific * Draw a diagram of the 3 domains and show which kingdom or kingdoms are in each domain * Draw a timeline to show the order that the different domains appeared in |
| 3 | Animals | * Is it made of Prokaryotic or Eukaryotic cells? * How does it reproduce? * How does it obtain energy/ nutrients? * How does it move? (*include what migration is and why some animals migrate*) * How does it sense its environment? * Write a short description of each these phyla from this kingdom: Cnidaria, Chordata, Arthropods, Molluscs, and Echinoderms * Draw an example organism of your choice from this kingdom. Label the major structures. |
| 4 | Plants | * Is it made of Prokaryotic or Eukaryotic cells? * How does it reproduce? * How does it obtain energy/ nutrients? * How does it move? (If the organism doesn’t move by itself, how does it spread?) * How does it sense its environment? (*Look up phototaxis*) * Write a short description of each these phyla from this kingdom: Bryophytes (non-vascular plants), Tracheophyte (seedless vascular plants), Gymnosperms, and Angiosperms * Draw an example organism of your choice from this kingdom. Label the major structures. |
| 5 | Protists | * Is it made of Prokaryotic or Eukaryotic cells? * How does it reproduce? * How does it obtain energy/ nutrients? * How does it move? (*Look up contractile vacuoles, pseudopods, and flagellum*) * How does it sense its environment? (*Look up cilia and eyespots*) * Draw an example organism of your choice from this kingdom. Label the major structures. |
| 6 | Fungi | * Is it made of Prokaryotic or Eukaryotic cells? * How does it reproduce? * How does it obtain energy/ nutrients? * How does it move? (If the organism doesn’t move by itself, how does it spread?) * Draw an example organism of your choice from this kingdom. Label the major structures. |
| 7 | Eubacteria | * Is it made of Prokaryotic or Eukaryotic cells? * How does it reproduce? * How does it obtain energy/ nutrients? * How does it move? (*Look up chemotaxis and phototaxis*) * How does it sense its environment? * Draw an example organism of your choice from this kingdom. Label the major structures. |
| 8 | Archaebacteria | * Is it made of Prokaryotic or Eukaryotic cells? * How does it reproduce? * How does it obtain energy/ nutrients? * How does it move? (*Look up chemotaxis and phototaxis*) * Draw an example organism of your choice from this kingdom. Label the major structures. |