

Name \_\_\_\_\_ Date \_\_\_\_\_ Period \_\_\_\_\_

# ***DIVERSITY SCRAPBOOK***

## **GOAL:**

The purpose of this project is for students to create a scrapbook that highlights the similarities and differences of the six kingdoms. Students will trace the evolutionary history of life on Earth as they learn about the major kingdoms, phyla, divisions, classes, and genera of organisms.

## **SCRAPBOOK LAYOUT:**

Summarize each topic on its own page in your scrapbook. Include all of the information listed below. Your scrapbook should also include a front cover, table of contents, introduction, conclusion, and back cover. Your scrapbook will be graded for both content and creativity.

## **INFORMATION TO INCLUDE:**

The following information must be included, but you can include more if you wish:

- physical attributes of the organism
- method of reproduction and/or life cycle
- how the organism evolved
- how the organism produces, acquires, and/or uses energy
- fun facts about the organism (a total of 10 facts per organism)
- the names of 3 organisms classified in the taxon
- 3 or more pictures of the organism (with a label or caption for each picture)

## **LIST OF TOPICS:**

(3) KINGDOM ARCHAEABACTERIA:      Phylum Euryarchaeota, Class Methanococci  
Phylum Crenarchaeota, Class Thermoprotei  
Phylum Euryarchaeota, Class Halobacteria

(9) KINGDOM BACTERIA:              Phylum Aquificae  
Phylum Cyanobacteria  
Phylum Spirochaetes  
Phylum Firmicutes ... Genus Staphylococcus  
Phylum Firmicutes ... Genus Clostridium  
Phylum Proteobacteria ... Genus Nitrosomas  
Phylum Proteobacteria ... Genus Salmonella  
Phylum Proteobacteria ... Genus Escherichia  
Phylum Actinobacteria ... Genus Streptomyces

(8) KINGDOM PROTISTA:

Phylum Ciliophora  
Phylum Sporozoa  
Phylum Sarcodina  
Phylum Euglenophyta  
Phylum Rhodophyta  
Phylum Chlorophyta  
Phylum Dinoflagellata  
Phylum Myxomycophyta

(4) KINGDOM FUNGI:

Phylum Chytridiomycota  
Phylum Zygomycota  
Phylum Basidiomycota  
Phylum Ascomycota

(7) KINGDOM PLANTAE:

Division Bryophyta  
Division Hepaticophyta  
Division Anthocerotophyta  
Division Lycophyta  
Division Pterophyta  
Division Coniferophyta  
Division Anthophyta

(15) KINGDOM ANIMALIA:

Phylum Porifera  
Phylum Cnidaria  
Phylum Mollusca  
Phylum Annelida  
Phylum Arthropoda  
Phylum Platyhelminthes  
Phylum Nematoda  
Phylum Echinodermata  
Phylum Chordata, Class Agnatha  
Phylum Chordata, Class Chondrichthyes  
Phylum Chordata, Class Osteichthyes  
Phylum Chordata, Class Amphibia  
Phylum Chordata, Class Reptilia  
Phylum Chordata, Class Aves  
Phylum Chordata, Class Mammalia

Name \_\_\_\_\_ Date \_\_\_\_\_ Period \_\_\_\_\_

## ***DIVERSITY SCRAPBOOK RUBRIC***

TOPIC	Physical (2 pts)	Reproduction (2 pts)	Evolution (2 pts)	Energy (2 pts)	Facts (2 pts)	Examples (2 pts)	Pictures (3 pts)
A) Phylum Euryarchaeota, Class Methanococci							
Phylum Crenarchaeota, Class Thermoprotei							
Phylum Euryarchaeota, Class Halobacteria							
B) Phylum Aquificae							
Phylum Cyanobacteria							
Phylum Spirochaetes							
Phylum Firmicutes ... Genus Staphylococcus							
Phylum Firmicutes ... Genus Clostridium							
Phylum Proteobacteria ... Genus Nitrosomas							
Phylum Proteobacteria ... Genus Salmonella							
Phylum Proteobacteria ... Genus Escherichia							
Phylum Actinobacteria ... Genus Streptomyces							
P) Phylum Ciliophora							
Phylum Sporozoa							
Phylum Sarcodina							
Phylum Euglenophyta							
Phylum Rhodophyta							
Phylum Chlorophyta							
Phylum Dinoflagellata							
Phylum Myxomycophyta							
F) Phylum Chytridiomycota							
Phylum Zygomycota							
Phylum Basidiomycota							
Phylum Ascomycota							
P) Division Bryophyta							
Division Hepaticophyta							
Division Anthocerotophyta							
Division Lycophyta							

TOPIC	Physical (2 pts)	Reproduction (2 pts)	Evolution (2 pts)	Energy (2 pts)	Facts (2 pts)	Examples (2 pts)	Pictures (3 pts)
Division Pterophyta							
Division Coniferophyta							
Division Anthophyta							
A) Phylum Porifera							
Phylum Cnidaria							
Phylum Mollusca							
Phylum Annelida							
Phylum Arthropoda							
Phylum Platyhelminthes							
Phylum Nematoda							
Phylum Echinodermata							
Phylum Chordata, Class Agnatha							
Phylum Chordata, Class Chondrichthyes							
Phylum Chordata, Class Osteichthyes							
Phylum Chordata, Class Amphibia							
Phylum Chordata, Class Reptilia							
Phylum Chordata, Class Aves							
Phylum Chordata, Class Mammalia							

TOTAL POINTS FOR CONTENT							
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Content	/ 690
Front Cover	/ 10
Introduction	/ 10
Table of Contents	/ 10
Conclusion	/ 10
Back Cover	/ 10
Creativity & Overall Appearance	/ 60

<p>FINAL GRADE AND COMMENTS:</p>          <p>_____ / 800 → _____ / 100 → _____</p>
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