Study guide for chapter 7 From page(149)

THE DIVERSITY OF LIFE:

- •Define the following: taxonomy, pathogen, biofilm, metamorphosis
- •What does the Linnaean system include?
- •What is the scientific approach for naming any species?
- •What is the hierarchy of classification? In order

PROKARYOTES:

- •What are the positive and negative effects of microorganisms to human body and to the environment?
- •What are the three common shapes of bacteria?
- •How bacteria can cause disease?
- •Archaea are abundant in many habitats. How?

PROTISTS:

- •What is the first eukaryotes on earth and the ancestor to plant, fungi and animal kingdom?
- •The term "protist" is not a taxonomic category. Why?
- •What are the protist modes of nutrition?
- •What are the protist habitats?
- •What are the main characteristics of categories of protist?
 - \Rightarrow Protozoan
 - \Rightarrow Slime mold
 - \Rightarrow Algea
 - \Rightarrow Seaweed

PLANT KINGDOM:

- •Colonizing land:
- •Why does living on land require a special set of adaptation?
- •What is the ancestor of plants?
- •What are Charyophytes?
- •What are the four major periods in plant evolution?
- •What are the major groups of plants?

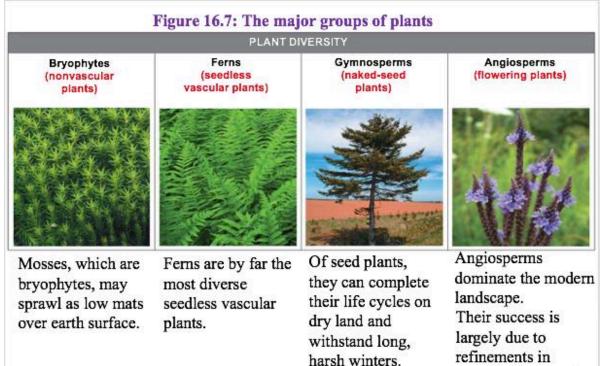
FUNGI KINGDOM:

- •What are the ecological and industrial roles of fungi?
- •What are fungi? Body structure?

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ANIMAL KINGDOM:

- •What is an animal?
- •Animal classification depends on "body plan". Explain (structural complexity, body symmetry and body cavity)
- •What are the differences between vertebrate and invertebrates?
- •What are the major invertebrate phyla? Main characteristics for each group
- •What are the four chordate characteristics?
- •What are the main characteristics of Fishes, amphibians, Reptiles, nonbird reptiles, birds and mammals?
- •Which groups of vertebrates are tetrapods?
- •What is the origin of tetrapods?
- •What are the main adaptation's features that reptiles display to live on land?
- •What are the main adaptation's features that birds have to enhance flight?
- •What is the main difference between birds and nonbird reptiles? (ectotherms and endotherms)
 - What are the major groups of mammals?



vascular tissue and the evolution of the

flower.