

CLASSIFICATION

Name _____

Number the seven major classification groups in order from the one containing the largest number of organisms to that containing the least.

- _____ order _____ phylum _____
- _____ family _____ species _____
- _____ kingdom _____ class _____
- _____ genus _____

On the chart below, classify the five kingdoms according to the characteristic in the left-hand column.

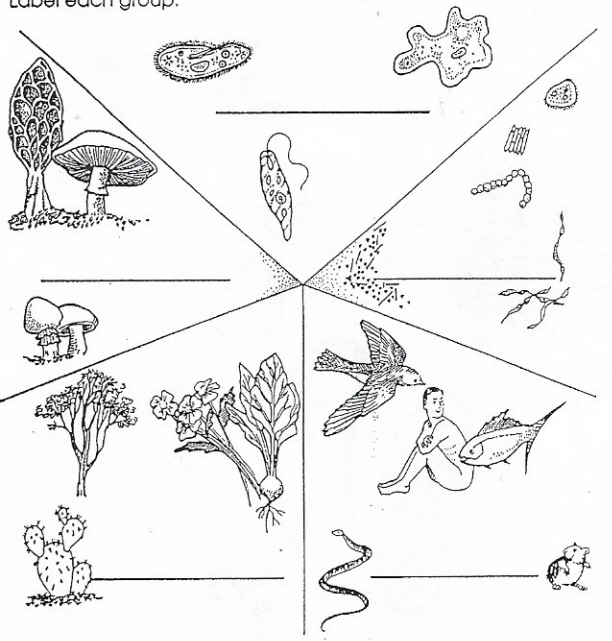
Characteristic	Monera	Protista	Fungi	Plantae	Animalia
cell type (prokaryotic/eukaryotic)					
number of cells (unicellular/multicellular)					
cell nucleus (present/absent)					
cell wall (present/absent)					
cell wall composition					
nutrition (autotrophic/heterotrophic)					
locomotion (present/absent)					

The Five Kingdoms

Name _____

Scientists have placed all living things into five kingdoms. The organisms in each group below represent one of the five kingdoms.

Label each group.








Word Bank

- fungi
- monerans
- plants
- animals
- protists

Family of Living Things

Name _____

Most scientists divide all living things into five groups, called kingdoms. Complete the chart comparing these kingdoms.

	Kingdoms				
	 Animal	 Plant	 Fungus	 Protist	 Moneran
Does it make food? (Yes; No; Yes/No)					
Does it move about? (Yes; No; Some)					
How many cells does it have? (One; Many)					
Does the cell have a nucleus? (Yes; No)					

The Living Kingdoms

Monera	Protista	Fungi	Plantae	Animalia
single celled	single and multicelled	single and multicelled	multicelled	multicelled
nucleus not well defined	nucleus well defined	some cells have walls	have cell walls and chloroplasts	no cell walls
some can manufacture own food; some require energy from other sources	some can manufacture own food; some require energy from other sources	absorb food from living or nonliving organisms	manufacture food by photosynthesis	unable to make own food; require energy from other sources
Representative Examples				
bacteria, blue-green bacteria	protozoans, green and red algae	molds, mildews, mushrooms, yeasts	grasses, flowers, trees	insects, worms, snails, fish, dogs, people

Classification System

	Category	Plantae—white oak	Animalia—dog
Kingdom:	groups of phyla	Plantae	Animalia
Phylum:	groups of classes	Tracheophyta	Chordata
Class:	groups of orders	Anthophyta	Mammalia
Order:	groups of families	Sapindals	Carnivora
Family:	groups of species	Fagaceae	Canidae
Genus:	groups of closely related species	Quercus	Canis
Species:	groups of related organisms	alba	familiaris

- How are fungi different from plants in obtaining food? _____
- Write the word or words that will make each sentence a true statement.
 - Plant cells have _____ and animal cells do not.
 - The kingdom with only single-celled organisms is the _____ kingdom.
 - Living things in the _____ and _____ kingdoms cannot make their own _____.
 - Scientists use _____ and _____ names to universally identify living things.

KINGDOMS OF THE LIVING WORLD.

