SCOP Taxonomy
Version 3.0

The divisions shown below are organized in the Kingdom-Phylum-Class-Order-Family-Genus-Species order, then are organized roughly by importance to quizbowl within those divisions. This list is not complete.

Carolus Linnaeus was a Swedish botanist who popularized the use of **binomial nomenclature**, the practice of calling organisms by their genus and species names.

A **clade** is a group of organisms descended from a common ancestor. This term will sometimes be used in place of the specific classification level in the early part of a tossup, or will be used to describe a division of organisms that falls outside the classic KPCOFGS hierarchy.

Kingdoms

Kingdom Name	Common Name, acceptable answers	Details
Fungi	fungus	Includes **yeasts**, **mushrooms**, and **molds**; possess **hyphae**, root-like structures that form a branching **mycelium** (plural **mycelia**); form **lichens** in symbiosis with algae
Protista	protists	A division of **eukaryotes**; includes **algae**, **amoeba**, and **protozoans**

Other notable kingdoms: Animalia (animals), Plantae (plants)

Phylums / Phyla

Phylum Name	Common Name; acceptable answers	Details
Cnidaria	cnidarians	Pronounced [nye-DAY-ree-ah]; includes **jellyfish**, **corals**, and **anemones**; named for their **stinging cells**; have **polyp** and **medusa** body forms
Echinodermata	echinoderms	Includes **sea urchins**, **starfish**, and **sand dollars**; name means "spiny skin; have **radial symmetry**, often with five sides
Mollusca	mollusks	Includes **shelled** creatures like **oysters** (in class bivalvia, or **bivalves**), **slugs** and **snails** (in class gastropoda, or **gastropods**), and **squid** and **octopus** (in class cephalopoda, or **cephalopods**)
Porifera	poriferans; sponges	**Sessile**, or immobile; possess **spicules**, stiff structural supports made of **calcium**

Other notable phyla: **Platyhelminthes** (flatworms), **Nematoda** (roundworms), **Annelida** (segmented worms), **Chordata** (chordates, animals with backbones), **Arthropoda** (arthropods, animals with external skeletons), Amoeba, Cyanobacteria

Classes

In Phylum	Class name, details
Chordata	Amphibia (amphibians), Mammalia (mammals), Aves (birds), Reptilia (reptiles)
Arthropoda	Insecta (insects), Arachnida (arachnids)
Mollusca	Bivalvia (bivalves), Gastropoda (gastropods), Cephalopoda (cephalopods)