

Seven levels of Classification

Part I: Research online to help you fill in the chart. Feel free to use Wikipedia!

Level of classification:	Name a few:	Which one do you belong to?	Characteristics of this group:
Kingdom	<i>Animal, plant, fungi, protista, bacteria</i>		
P _____	Arthropods, mollusks, porifera (sponges), roundworms, chordata, cnidaria (jellyfish)		
C _____	Reptiles, fish, birds, amphibians, mammals		
O _____	Rodents, bats, primates, cetaceans (whales), carnivora (wolves, bears, cats, raccoons)		
F _____	Lemurs, monkeys, apes, hominids		
G _____	Australopithecus, Ardipithecus, Homo		
S _____	<i>Homo erectus, Homo sapiens, Homo neanderthalensis, Homo habilis</i>		

Scientific species name (Latin)



Part II: Use your chart to help you fill in the blanks below.

- 1) A fish is related to a shark because they are both _____ (same **class**).
- 2) A fish is related to a pig because they are both _____ (same _____).
- 3) A chicken is related to a penguin because they are both _____ (same _____).
- 4) A jellyfish is related to a human because they are both _____ (same _____).
- 5) A snake is related to a turtle because they are both _____ (same _____).
- 6) A cow is related to a whale because they are both _____ (same _____).
- 7) A whale is related to a dolphin because they are both _____ (same _____).
- 8) A tiger is related to a lion because they are both _____ (same _____).
- 9) A house cat is related to a lion because they are both _____ (same _____).
- 10) A human is related to a monkey because they are both _____ (same _____).
- 11) A human is related to a Neanderthal because they are both _____ (same _____).
- 12) You are related to everyone else in this class because you are all _____ (same _____).

Part III: *The Tree of Life*

How can it be true that all life on Earth is related? Write a paragraph that explains how this method of classifying species (look back at your chart) can be represented as a "Tree of Life". Draw a picture or diagram to help illustrate what you mean.