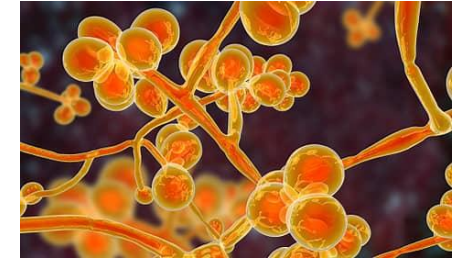


Year 6 Science Spring 1



Key vocabulary

Taxon: A specific level on the taxonomy hierarchy

Kingdom: there are six kingdoms including animal, fungi, and plant.

Phylum: A way of organising the organisms from the kingdom e.g. chordata which includes all vertebrates

Class: a level which classifies within each Phylum so those of chordata could be fish, mammal or bird.

Order: Grouping those within mammal e.g. those which are carnivores

Family: Grouping the organisms from the order into similar groups e.g. belonging to cat or dog family.

Genus: A grouping of organisms within a family e.g. roaring cats and purring cats being separate.

Species: Only one type of organism: tiger.

Bacteria: a large group of unicellular microorganisms which have cell walls but lack organelles and an organized nucleus.

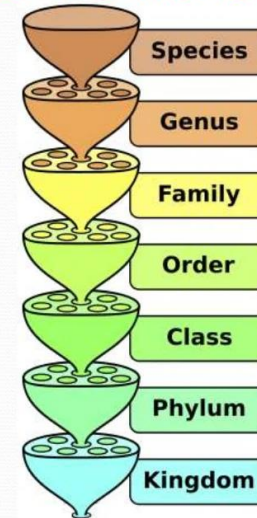
Fungi: a group of spore-producing organisms feeding on organic matter, including moulds, yeast, mushrooms, and toadstools.

Virus: an infective agent that typically consists of a nucleic acid molecule in a protein coat

Taxonomy example for humans

Diversity of Humans

- Humans are a species of **Homo Sapiens** and are divided into the following:



Homo sapiens

Members of the genus Homo with a high forehead and thin skull bones.

Homo

Hominids with upright posture and large brains.

Hominids

Primates with relatively flat faces and three-dimensional vision.

Primates

Mammals with collar bones and grasping fingers.

Mammals

Chordates with fur or hair and milk glands.

Chordates

Animals with a backbone.

Animals

Organisms able to move on their own.

Carl Linnaeus

Carl Linnaeus, also known after his ennoblement as Carl von Linné, was a Swedish botanist, zoologist, taxonomist, and physician who formalised binomial nomenclature, the modern system of naming organisms. He is known as the "father of modern taxonomy".



Before our unit: Cells

1. *What is taxonomy?*

2. *Which is the odd one out: virus, bacteria, and fungi? Explain*

3. *What does an animal cell consist of?*

Before our unit: Cells

1. *What is taxonomy?*

2. *Which is the odd one out: virus, bacteria, and fungi? Explain*
