

## ANSWERS TO THE “BELOW THE LINE” QUESTIONS ON READING ASSIGNMENT: SECTIONS 1.5 (AND 1.3)

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Which group contains more species, Eukarya or Animalia? The domain Eukarya. All members of the kingdom Animalia are members of the domain Eukarya but not all members of the domain Eukarya are classified in the kingdom Animalia. (some are in the kingdoms Protista, Fungi and Plantae).

Name two characteristics that Plantae and Animalia share in common and one characteristic that distinguishes them.

Similarities: Both are primarily multicellular and have cells with nuclei (eukaryotic cells)

Difference: Plants are producers (they make their own food by photosynthesis), whereas Animals are consumers (they must ingest a food source).

Both Animalia and Fungi must consume an external source of energy. What is different about how they obtain their food? (Hint: This has something to do with where it is digested).

Animals ingest their food and digest it internally. Fungi digest their food sources externally (by secreting digestive enzymes) and then absorb the released nutrients.

Bacteria that infect humans such as *Streptococcus* and *Staphylococcus* as well as the bacteria that is used to make yogurt from milk, *Lactobacillus acidophilus*, would be classified as members of the domain Bacteria.

We use yeast in bread and wine making. Yeast is a member of the kingdom Fungi and the domain Eukarya.