

Zoonotic Diseases: Classification & Bacteria Fill in the Blank Notes

Scientists _____ or _____ things so that they are easier to investigate and understand.

Veterinarians classify _____ organisms in to treat them according to their characteristics.

_____, fungi, and _____ may require different treatment strategies.

Organisms are classified into Domains or Kingdoms based on these characteristics:

1. Whether they are unicellular or _____
2. Whether they are _____ or eukaryotic
3. Whether they have a ___ ___ or cell membrane
4. Whether or not they have _____
5. Whether they are autotrophic or heterotrophic
6. Whether they reproduce sexually or asexually
7. How they _____ heat, salt, or other extreme conditions

There are three Domains of living organisms based on their characteristics: _____ , _____ , _____

Domains can be split into Kingdoms which further divide organisms: Eukaryota includes the kingdoms: _____, Protista, Plantae, _____.

“Archaea” means “ancient”. They have these characteristics: unicellular, _____, autotrophic or heterotrophic, and reproduce _____. Some have adapted to extreme environments.

Archaea in hot environments are _____, salty environments are halophiles, acidic are acidophiles.

The domain archaea has one kingdom, also called _____.

Eu” means “true” bacteria. They are: _____, prokaryotic, autotrophic or heterotrophic, and reproduce asexually.

Bacteria are the most _____ organisms on earth.

One bacterium can give rise to 10 million bacteria in 24 hours. Many are _____.

The Domain Eubacteria has one Kingdom, also called _____.

Bacteria can be shaped like a sphere (cocci), like a rod, or like a _____

_____ living in or on our bodies protect us from harmful bacteria and produce _____.

The Domains _____ and _____ are commonly grouped together and called _____ because they lack membrane-bound nuclei and membrane-bound _____.