

CHAPTER 3	Domain Characteristics Organization Chart	BLM 3.2.3
HANDOUT		

Using the organizational chart columns below, place the characteristics in the appropriate domain. Some characteristics may be used more than once.

- Prokaryotic, unicellular organisms
- Move by flagella
- Lack a membrane-bounded nucleus
- Reproduce asexually
- Heterotrophic by absorption
- Autotrophic by chemosynthesis or by photosynthesis
- Unique rRNA base sequence
- Each kingdom has specializations
- Eukaryotic, unicellular to multicellular organisms
- Flagella, if present, have a 9 + 2 organization
- Membrane-bounded nucleus
- Sexual reproduction
- Many are autotrophic by chemosynthesis; some are heterotrophic by absorption
- Phenotypes and nutrition are diverse
- Distinctive plasma membrane and cell wall chemistry

Archaea	Bacteria	Eukarya
Example:	Example:	Example: