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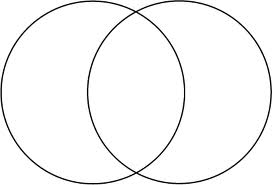
Bio 21: Ch. 4 Cell Parts

Watch the “Tour of the Cell” webcast at <http://www.bozemanscience.com/a-tour-of-the-cell> . Take notes as you go. Rewind, rewatch as necessary. Make note of anything you have questions about.

1. Why are cells so small but not infinitesimally small?

2. a. Complete the following Venn diagram for Prokaryotic and Eukaryotic cells.

b. Give examples of organisms of each.



3. Cell Parts

|  |  |  |  |
| --- | --- | --- | --- |
| Cell Part | Job Description | Found where in cell?  nucleus, cytoplasm | This cell part is like… |
| Nucleolus |  |  |  |
| Nucleus |  |  |  |
| Ribosome |  |  |  |
| Vesicle |  |  |  |
| Rough ER |  |  |  |
| Golgi  Apparatus |  |  |  |
| Cytoskeleton |  |  |  |
| Smooth ER |  |  |  |
| Mitochondria |  |  |  |
| Vacuole |  |  |  |
| Cytosol |  |  |  |
| Lysosome |  |  |  |
| Centriole |  |  |  |