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SB1. Students will analyze the nature of the relationships between structures and functions in living cells. a. Explain the role of cell organelles for both prokaryotic and eukaryotic cells, including the cell membrane, in maintaining homeostasis and cell reproduction.

1. What characteristics of living things correspond to the standard above?
2. What are the parts of the cell theory?
3. What is the difference between a theory and a law?

Compare and Contrast Prokaryotes and Eukaryotes

|  |  |  |
| --- | --- | --- |
|  | Prokaryotes | Eukaryotes |
| Definition |  |  |
| Nucleus Present or Nucleus Not Present |  |  |
| Type of Reproduction(asexual, sexual or both) |  |  |
| Movement |  |  |
| Examples of Organisms |  |  |
| Organelles found in each type of organism |  |  |