

- Summarize the four requirements for life.
- Define what is the smallest indivisible unit of matter.
- Describe what is the smallest unit of life.
- Identify and label the parts of an atom, and state their charges.
- Define the following: atoms, molecules, and macromolecules, and state how each is related to each other.
- Identify and define cellular organelles and their function.
- Define Cells, Tissue, Organs, and Systems.
- State the function and role of the following: ATP, ADP, and ATP Synthase.
- Describe the role of oxygen and hydrogen in ATP production.
- Identify the waste products from ATP Production.
- Utilize your understanding of cell biology to describe how better-producing plants and animals could be developed.