**WEEK 3 ASSIGNMENT**

Due on 2019-09-21, 23:59 IST.

1. **Cell membrane transport**
   - Na⁺/K⁺ pumps
   - ATPase
   - Facilitated diffusion
   - Passive diffusion
   - Active transport
   - Ions
   - Water
   - Membranes

2. **Genetic and cellular inheritance**
   - DNA replication
   - Mitosis
   - Cytokinesis
   - Meiosis
   - Chromosomes
   - DNA
   - RNA
   - Protein synthesis
   - Gene expression

3. **Plants vs. animals**
   - Photosynthesis
   - Respiration
   - Energy conversion
   - Plant cells
   - Animal cells
   - Cell cycle
   - Cell division

4. **Bacteria and viruses**
   - Bacterial cell structure
   - Viral cell structure
   - Reproduction
   - Classification
   - Pathogenicity
   - Prevention

5. **Rabbits and bacteria**
   - Anatomy
   - Physiology
   - Reproduction
   - Pathogens
   - Symptoms
   - Treatment

6. **Weekly 3 assignment**
   - Overview
   - Assignment details
   - Due date
   - Submission guidelines

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**Suggested reading:**

1. "Biology for Life" by V. S. Ramakrishnan
2. "Cell Biology: A Laboratory Approach" by J. D. Watson
3. "Microbiology: An Introduction" by P. R. Decker
4. "Animal Cells and Tissues" by J. E. Skelly
5. "Plant Physiology" by J. H. Blackmore

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**Grading criteria:**

- 100 points
- Late submissions will be penalized
- Collaboration encouraged
- No late assignments accepted

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**Important dates:**

- Assignment due by 2019-09-21, 23:59 IST
- Submission guidelines available
- Late submissions not accepted