1. **How did the microscope play an important part in the cell theory?**
2. **Name 2 things that would help you distinguish between a prokaryotic cell & eukaryotic cell?**
3. **How can you differentiate between a plant & animal cell?**
4. **What is the main function of the mitochondria? Rough ER?**
5. **What do centrioles do? Chloroplasts?**
6. **How does the fluid mosaic model relate to the cell membrane?**
7. **What does selectively permeable mean?**
8. **What molecules are embedded in the cell membrane?**
9. **During Active Transport molecules are moving against the concentration gradient. What does this mean?**
10. **Name 2 types of passive transport.**
11. **What is Osmosis?**
12. **What happens to a red blood cell in a hypertonic solution?**
13. **Explain phagocytosis. Provide an example.**
14. **How do enzymes affect chemical reactions?**
15. **What is cohesion? Adhesion?**
16. **How can a theory be revised? (What must be done)**