**Chapter 7 Test Review—Test will be Matching, Identify, MC, Completion, & SA. You will be allowed to use your notes & this Study Sheet, so fill it in, NOW!**

1. **\_\_\_\_\_\_\_\_\_\_\_\_ concluded that all plants are made of cells, while \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ concluded that all animals are made of cells.**
2. **What do electron microscopes use to magnify the image? \_\_\_\_\_\_\_\_\_\_\_ Are they more powerful than compound microscopes?\_\_\_\_\_\_\_**
3. **What are the 3 points of the cell theory?**

**1.**

**2.**

**3.**

**4. DNA is stored in the nucleus of the cell in the form of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.**

**5. Who gave cells their name? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**6. Cells that do not have a true membrane bound nucleus are called \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ while cells that have a true nucleus plus organelles are called \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.**

**8. How many layers of phospholipids does the plasma membrane have?\_\_\_\_\_\_**

**9. What is the control center of the cell?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**10. What structure controls what comes in to and out of the cell? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**11. Where do chemical reactions take place in the cell?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**12. Where is energy made in the cell? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**13. What organelle is responsible for packaging, and sorting? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**14. What organelle contains digestive enzymes?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**15. Where are proteins made?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**16. What are the membrane bound structures in the cell called? \_\_\_\_\_\_\_\_\_\_\_\_\_**

**17. Diffusion in and out of the cell is controlled by the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**18. Short, hairlike projections used for locomotion are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.**

**19. In plants this organelle converts light into energy.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**20. Network of rods and filaments that provide support and structure to the inside of the cell\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.**

**21. What is the green organelles that gives plants their color? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**22. The folded membrane system in the cell that helps in chemical reactions and transportation is called \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**23. What organelle makes ribosomes? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**24. This structure is located outside the plasma membrane in some cells?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**25. What 3 structures do plants cell have that animals cells do not?**

**1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 3. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**26. What organelle do animal cells have that is not found in plant cells? \_\_\_\_\_\_\_\_\_\_\_\_**

**30. Know the difference between prokaryotes and eukaryotes.**

**31. Know the difference between plant and animal cells.**

**32. Be able to identify the different organelles of the cell. You need to know all the animal and plant organelles and their functions.**

**Nucleus**

**Nucleolus**

**Cytoplasm**

**Chloroplasts**

**Lysosomes**

**Ribosomes**

**Cytoskeleton**

**Golgi bodies**

**Cell/plasma membrane**

**Vacuole**

**Mitochondria**

**Rough ER**

**Smooth ER**

**Cell wall**

**Large Vacuole**

**Centrioles**

**33. What does an isotonic solution look like? Hypertonic Solution? Hypotonic Solution?**