

Cell Structure Worksheet

1. Tell what each of the following scientists did: Anton van Leeuwenhoek, Robert Hooke, Matthias Schlieden, Theodore Schwann, Robert Virchow.
2. List and explain the 3 parts of the cell theory.
3. What are the 3 types of microscopes? What are their advantages? Disadvantages?
4. What's the difference between a prokaryote and a eukaryote? What are examples of organisms in each group?
5. Define homeostasis. How does the plasma membrane maintain homeostasis?
6. What are three differences between plant cells and animal cells?
7. What is the advantage of highly folded membranes within a cell?
8. Make flashcards with a DRAWING of each organelle on one side, and the name of the organelle and its function on the back. (You may have to draw other cell parts also).

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