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| **Cell Theory Historical Timeline – answer each question below.** | | | | | |
| **What instrument was necessary before the cell theory could be developed?** | | **Which three scientists directly contributed evidence for the cell theory?** | | **How did the earlier scientists and their contributions directly affect the discoveries of later scientists?** | |
| **Part 1 of the Cell Theory.** | | **Part 2 of the Cell Theory.** | | **Part 3 of the Cell Theory.** | |
| **Structure, Function, and Processes within Animal Cells – for each part of the animal cell below, describe the function and what processes that organelle might contribute to or control.**  **(**[**www.cellsalive.com**](http://www.cellsalive.com) **– Eukaryotic Cell Interactive Animation)** | | | | | |
| **Centriole** | | **Lysosomes** | | **Vacuole** | |
| **Mitochondrion** | | **Endoplasmic Reticulum (ER)**  **(Rough and Smooth)** | | **Cytoskeleton** | |
| **Cell Membrane** | | **Nucleus / Nucleolus** | | **Golgi Body** | |
| **Cell Drawing – using a separate sheet of paper, draw a picture of an eukaryotic cell (animal cell) and a prokaryotic cell (bacterial cell) and label the most important parts. Circle the parts that both types of cells have in common. You can use your textbook (page 469) or the diagram provided.** | | | | | |
| **Life Functions of Protists – using the Buckle Down EOG Review Book, read the section on Protists on pages 101-103 and insert information below.** | | | | | |
| **Amoeba**  **Method of Locomotion** | **Amoeba**  **Method of Getting Food** | | **Amoeba**  **Type of Reproduction** | | **Amoeba**  **Unique Quality** |
| **Euglena**  **Method of Locomotion** | **Euglena**  **Method of Getting Food** | | **Euglena**  **Type of Reproduction** | | **Euglena**  **Unique Quality** |
| **Volvox**  **Method of Locomotion** | **Volvox**  **Method of Getting Food** | | **Volvox**  **Type of Reproduction** | | **Volvox**  **Unique Quality** |
| **Paramecium**  **Method of Locomotion** | **Paramecium**  **Method of Getting Food** | | **Paramecium**  **Type of Reproduction** | | **Paramecium**  **Unique Quality** |
| **Complex Chemical Processes in Animal Cells – for each statement below, identify and define at least two processes that occur in the cell that contributes to the activity described in the statement. Use the Coach Grade 8 EOG Review Book, pages 295-302.** | | | | | |
| **Cells grow and divide to produce more cells.**  **1.**  **2.** | | **Cells take in nutrients to make the energy for the work cells do.**  **1.**  **2.** | | **Cells take in materials that a cell or an organism needs to survive.**  **1.**  **2.** | |
| **EOG Review Questions – answer the EOG review questions and identify where you can find the answer to each question.** | | | | | |