AP Biology

NAME\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_DATE\_\_\_\_\_\_\_\_\_

REVIEW – CELL STRUCTURE AND FUNCTION

Define Cell –

2 Types of Cells-

 Examples

Organization of Life:

 Organelles - \_\_\_\_\_\_\_-\_\_\_\_\_\_\_-\_\_\_\_\_\_\_-\_\_\_\_\_\_ \_\_\_\_\_\_-\_\_\_\_\_\_\_

Cells are grouped together based on their \_\_\_\_\_\_\_\_\_\_\_\_.

Microscopes:

 Light Microscope-

 Electron Microscope-

 SEM-

 TEM-

Prokaryotes –

 Examples:

Eukaryotes-

 Examples:

Organelles: Animal Cells-

Organelle Major Function Location

Nucleus

Nuclear Envelope

Nucleolus

Plasma Membrane

ER Rough

 Smooth

Ribosomes

Golgi Apparatus

Mitochondria

Lysosome

Peroxisome

Microfiliments

Microtubules

Centrosome

Flagellum

Organelles – Plant Cells

Vacuole

Chloroplast Cell Wall Plasmodesmata