Animal Cell Handout

Organelles

Nucleus – Holds DNA
- Chromatin – Relaxed DNA
- Nucleolus – Site of Ribosome Production
- Nuclear Pore – Allows for movement of mRNA and Ribosomes out of the nucleus
- Nuclear Membrane – Double membrane surrounding the nucleus

Cytoskeleton – Structure and Transport
- Microtubules, Intermediate Filaments, Microfilaments

Mitochondria – Makes ATP for cell use
Plasma Membrane – Semipermeable membrane that surrounds the entire cell
Rough Endoplasmic Reticulum – Covered in Ribosomes, makes proteins for export
Smooth Endoplasmic Reticulum – No Ribosomes, makes lipids
Golgi Apparatus – Packages and sorts proteins for export
Ribosomes – Read mRNA and make proteins

Not in most plant cells – Cilia/Flagella (Movement), Lysosomes (digestive enzymes), Centrioles (Part of Cell division and making cilia/flagella)
Biology

Fill in the Blank Animal Cell

Word Bank

Chromatin
Nuclear Pore
Nuclear Membrane
Nucleolus
Microfilaments
Microtubules
Intermediate Filaments
Mitochondria

Golgi Apparatus
Flagellum
Centriole
Lysosome
Plasma Membrane
Ribosome
Rough Endoplasmic Reticulum
Smooth Endoplasmic Reticulum