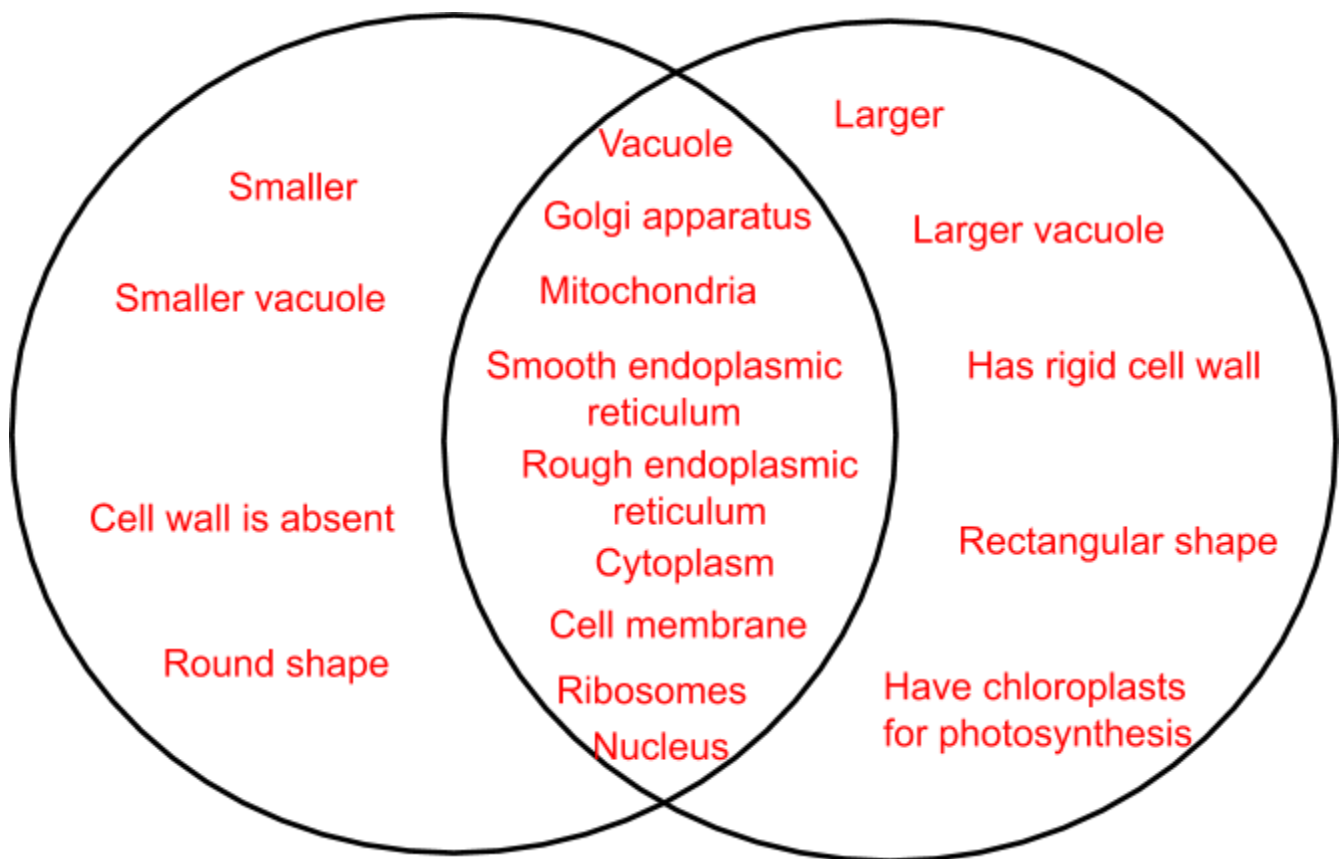


Handout (Answer Key)


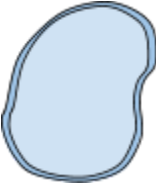

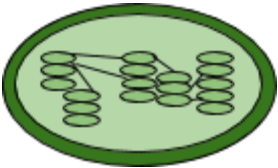



1. What are similarities and differences between plant and animal cells?

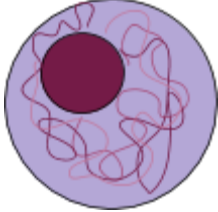

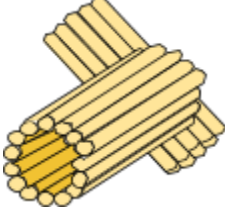
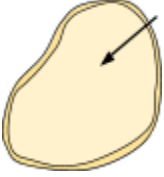
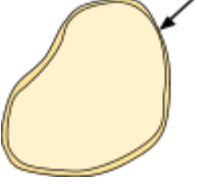

Animal Cell

Plant Cell



2. Fill in the missing information of cell structures in the table below:

Picture	Name	Function	Plant, animal or both
	Cell Wall	Protects the plant cell and gives it shape	Plant
	Vacuole	Filled with liquid or solid material acting as a storage area	Both
	Golgi Apparatus	Makes some of the chemicals produced within the cell. Collects and packages chemicals for transport to different parts of the cell	Both
	Chloroplast	Creates glucose and oxygen through photosynthesis	Plant
	Mitochondria	Generate energy for the cell to use to do all the other processes	Both
	Ribosomes	Make proteins	Both
	Lysosome	Helps with intracellular digestion, storing nutrients and releasing cellular waste	Animal

	<p>Nucleus</p>	<p>Controls cell activity and contains the cell's chromosomes</p>	<p>Both</p>
	<p>Smooth endoplasmic reticulum</p>	<p>Responsible for metabolization and for making fats and carbohydrates used to build the cell membrane</p>	<p>Both</p>
	<p>Centrosome</p>	<p>Organize microtubules and provide structure for the cell, as well as work to pull chromatids apart during cell division</p>	<p>Animal</p>
	<p>Cytoplasm</p>	<p>It is the fluid the organelles are bathed in. It contains proteins, sugars and other substances that help the cell function properly</p>	<p>Both</p>
	<p>Cell membrane</p>	<p>The main support of the cell</p>	<p>Both</p>
	<p>Rough endoplasmic reticulum</p>	<p>Produces and packages proteins for transport in or out of the cell</p>	<p>Both</p>