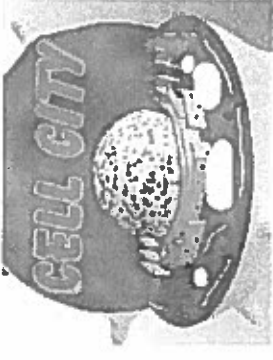


Name: _____

Date: _____

Welcome to Cell City!



Introduction

Imagine the cell is a miniature city where the organelles are like the people, places or structures in a city. Each organelle is critical for the proper functioning of the cell. Below are the descriptions of important parts of Cell City. Read through the descriptions of the city components and then match them with the corresponding structure in the cell. You must justify your pairings. Refer to the textbook as an aid.

Cell Structures:

Cell Membrane Chloroplasts Chromosomes Cytoplasm Endoplasmic Reticulum Golgi Bodies (X 2)
 Mitochondria Nucleus Nuclear Membrane Ribosomes Vacuoles

City Components	Function	Cell Structure	Justification
City Limits	Controls what goes in and out of the city		
Greater Cell City Community	The part of the city outside of town hall.		
Road System	Allows for movement of people and products throughout the city.		
Postal Service	Packages and ships various products for distribution to locations in the city.		
Garbage Collection and Recycling	Collect and process old or damaged substances in the city.		
Power Plant	Creates and stores energy/power for the cell.		

City Components	Function	Cell Structure	Justification
Solar Power Plant	Captures and stores solar energy/power for the cell.		
City Hall	Control centre for the city. Gives directions for construction within the city.		
City Planners	Workers within city hall who plans the construction and maintenance of the city.		
City Hall Security	Controls the comings and goings of visitors to city hall.		
Construction Workers	Makes all kinds of things to use in the cell and to send out of the cell. Works inside of larger buildings or free within the city.		
Warehouse	Stores materials needed by the city.		