

FACTORY / CELL ORGANELLE  
WORKSHEET

Name: \_\_\_\_\_ Date: \_\_\_\_\_

**Part One:** Look at the labeled pictures of animal & plant cells in your book or your Gizmo, and read the sections associated with Eukaryotic cell structures (organelles). Refer to this information and your factory floorplan to answer the following questions.

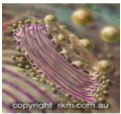
1. What cell structures (organelles) most closely match the functions of the following structures of your factory?

Factory	Cell Organelle
a. walls, roof and floor	
b. hallways with equipment / machines in them	
c. machines that produce or make something	
d. hallways without machines / equipment	
e. control room or manager's office	
f. packaging / shipping center	
g. storage area	
h. waste disposal area	
i. power generators / fuse box	
j. vault / safe	
k. doors / windows	
l. machine shop	

2. In your cells, what is the product of the structure you listed in "c" above? \_\_\_\_\_

3. In your cells, what is the name of the machine produced in the machine shop? \_\_\_\_\_

**Part Two:** Organelles ("*tiny organs*") are structures within cells that have a "job" and help the cell work just like organs help the human body work. Use your text book and the Gizmo to complete the chart below. The ANALOGY column should be completed using your factory diagram / floor plan. Please be SPECIFIC when describing the function of the organelle. The first one is done for you as an example.

Organelle Name/Picture	Description of Function	Analogy to my Factory
Golgi Apparatus 	Sorts and packages proteins to send to other parts of the cell, or out of the cell, by creating "vesicles".	The packaging and shipping department where the product is shipped out to the customers. Loading Dock. Delivery Trucks.
Plasma Membrane		