

Due Date: 10/18/12

Cell City Scoring Guide

Purpose: Pretend you are a guide leading a tour through a museum. You will create a map using each cell outline to guide your tourist and describe the functions of an animal and a plant cell. You will need to label the cells clearly.

Background: All living things are made of cells. Plant and animals cells share many of the same parts, but differ in some ways. Inside both plants and animals cells is a jelly-like fluid called cytoplasm, within which other cell parts float. The part that directs the cells activities is the nucleus. A cell is full of many mitochondria, which produce power for the cell. Each cell also has several small vacuoles, which are sacs that store food and water inside the cell.

The outer layer of an animal cell is the cell membrane. It has pores that allow some material to pass in and out of the cell. In a plant cell, the cell wall surrounds the cell membrane and gives the cell support. Only plant cells have small parts called chloroplasts. Inside chloroplasts, plants store chlorophyll, which help the cell make its own food from light, water, and carbon dioxide.

Required Elements

Plant Cell

chloroplast

mitochondria

vacuole

cell wall

cell membrane

cytoplasm

nucleus

Animal Cell

mitochondria

vacuoles

cell membrane

cytoplasm

nucleus

Scoring Guide

CATEGORY	4	3	2	1
Labeling of Organelles _____pts/x5	All organelles are clearly and accurately labeled for both the animal and plant cell.	One of the organelles is missing from either the plant or the animal cell.	Two of the organelles are missing from either the plant or the animal cell.	More than two of the organelles are missing from either the plant or the animal cell.
Function of organelles _____pts/x5	The functions of all the cell's organelles are included with the project.	One of the functions of the cell's organelles is missing from the project.	Two of the cell's organelles are missing from the project.	More than two of the cell's organelles are missing from the project.
Attractiveness	The brochure is exceptionally attractive in terms of design, layout, and neatness.	The brochure is attractive in terms of design, layout and neatness.	The brochure is acceptably attractive though it may be a bit messy.	The brochure is distractingly messy or very poorly designed. It is not attractive.
Spelling	All spelling was correct for project including terms used, definitions, sentences and punctuation.	Most spelling was correct for project including terms used, definitions, sentences and punctuation; no more than 2 errors.	Some spelling was correct for project including terms used, definitions, sentences and punctuation; no more than 4 errors.	Very little spelling was correct for project including terms used, definitions, sentences and punctuation; 5+ errors noted

Total points: _____/48 points

Misspelled Words:

Comments:

Grade Scale	
48-45 pts	A
44-43 pts	A-
42 pts	B+
41-40 pts	B
39pts	B-
38-37pts	C+
36 pts	C
35-34 pts	C-
33-32 pts	D+
31 pts	D
30-29 pts	D-
28 or below	F

Due Date: 10/18/12

Plant Cell

Animal Cell

