

## CELL PROJECT CHOICE BOARD

**CHOOSE 4 PROJECTS TO COMPLETE. AT LEAST 2 PROJECTS MUST BE STARRED (\*).**

<p>CREATE A POSTER IN WHICH YOU DRAW AND LABEL BOTH A PLANT AND ANIMAL CELL WITH ALL OF THE APPROPRIATE ORGANELLES. NEXT TO YOUR REAL-LIFE ILLUSTRATION OF EACH ORGANELLE, ALSO DRAW A PICTURE THAT REPRESENTS WHAT THE ORGANELLE ACTUALLY DOES.</p>	<p><b>*MAKE A PAPER LIFT-THE-FLAP STYLE MODEL OF A PLANT OR ANIMAL CELL, INCLUDING ALL OF THE ORGANELLES FOR THAT CELL. LABEL EACH ORGANELLE NAME UNDER ITS FLAP AND INCLUDE THE FUNCTIONS OF EACH ORGANELLE ON THE BACK OF THE MODEL.</b></p>	<p>COMPARE SOME PARTS OF THE BODY THAT SERVE THE SAME FUNCTION AS EACH OF THE ORGANELLES. IN YOUR REPRESENTATION, INCLUDE THE ORGANELLE, THE CORRESPONDING BODY PART AND HOW THEY ARE ALIKE OR DIFFERENT.</p>	<p><b>*MAKE A CHILDREN'S BOOK ABOUT THE ORGANELLES OF PLANT AND ANIMAL CELLS, WITH A DIFFERENT ORGANELLE ON EACH PAGE. FOR EACH ORGANELLE, INCLUDE THE NAME OF THE ORGANELLE, ITS FUNCTION, THE TYPE OF CELL IT IS FOUND IN, AND A PICTURE.</b></p>
<p>CREATE A 10-QUESTION MULTIPLE CHOICE QUIZ. INCLUDE AN ANSWER KEY.</p>	<p><b>*CREATE AN ORGANELLE AMUSEMENT PARK MAP BROCHURE (3-4 PANELS) FOR A PARK WHICH HAS ATTRACTIONS, SHOWS, DINING AND SHOPPING. FOR EXAMPLE, YOU MIGHT WANT VISITORS TO RIDE RIBOSOMES RAMPAGE SO THEY CAN WATCH PROTEINS SYNTHESIZE BEFORE THEIR EYES. INCLUDE EACH ORGANELLE AND ITS FUNCTION IN A RIDE, SHOW, RESTAURANT OR SHOPPING AREA.</b></p>	<p>PICK AN ORGANELLE AND WRITE A SHORT STORY CALLED "A DAY IN THE LIFE OF A _____." INCLUDE AT LEAST 3 ORGANELLES IN YOUR STORY. INCLUDE A BEGINNING, MIDDLE AND END AND USE CORRECT SPELLING, PUNCTUATION, CAPITALIZATION AND GRAMMAR.</p>	<p><b>*MAKE A THREE-FLAP FOLDABLE THAT SHOWS THE TWO DIFFERENT TYPES OF CELLS. THE FIRST TWO FLAPS SHOULD FEATURE PROKARYOTIC AND EUKARYOTIC CELLS, WITH THE NAME AND A PICTURE ON THE FRONT OF THE FLAP AND A DESCRIPTION ON THE INSIDE OF THE FLAP. THE THIRD FLAP SHOULD COMPARE PLANT AND ANIMAL CELLS, WITH A TITLE ON THE FRONT OF THE FLAP AND A COMPARISON ON THE INSIDE.</b></p>
<p><b>*CREATE A FICTIONAL CITY WHERE EACH PART OF THE CITY REPRESENTS AN ORGANELLE IN THE CELL. YOU MAY CHOOSE EITHER A PLANT CELL OR AN ANIMAL CELL FOR YOUR CITY. LABEL ALL THE CITY PARTS, THE ORGANELLES REPRESENTED AND WHY YOU CHOSE IT TO REPRESENT THAT PART OF THE CITY. FOR EXAMPLE, THE CITY GARBAGE DEPARTMENT WOULD BE THE LYSOSOMES BECAUSE IT TAKES CARE OF THE TRASH.</b></p>	<p>CREATE A SONG, RAP, OR POEM ILLUSTRATING THE JOB OF AT LEAST ONE ORGANELLE IN THE CELL.</p>	<p><b>*CREATE A "CELL CATALOG" FOR A PLANT CELL. EACH ORGANELLE SHOULD HAVE A DRAWN AND COLORED PICTURE, A DESCRIPTION (SALES PITCH) DESCRIBING WHAT IT DOES OR WHY IT IS IMPORTANT, AND A PRICE. THE CATALOG SHOULD HAVE A COVER AND A TABLE OF CONTENTS.</b></p>	<p>FIND AND PRINT A CURRENT EVENTS ARTICLE (LESS THAN 6 MONTHS OLD) CONCERNING CELLS IN THE FIELD OF BIOLOGY OR MEDICINE. READ THE ARTICLE AND WRITE A ONE PAGE SUMMARY ABOUT THE ARTICLE.</p>
<p><b>*MAKE A 3-DIMENSIONAL MODEL OF A CELL. YOU MAY CHOOSE TO MAKE YOUR MODEL OUT OF ANYTHING YOU WANT, EXCEPT FOOD, BUT IT MUST CONTAIN ALL OF THE CELL ORGANELLES WE DISCUSSED. INCLUDE A LEGEND OR KEY FOR YOUR MODEL.</b></p>	<p>DESIGN A BOARD GAME IN WHICH PLAYERS TRAVEL THROUGH EITHER A PLANT OR ANIMAL CELL TRAVELING FROM ORGANELLE TO ORGANELLE. INCLUDE DIRECTIONS FOR YOUR GAME.</p>	<p><b>*MAKE A FICTIONAL FACEBOOK ACCOUNT FOR YOUR FAVORITE ORGANELLE. INCLUDE THEIR FRIENDS, PICTURES, AND RECENT STATUS UPDATES.</b></p>	<p>CREATE A CROSSWORD PUZZLE WITH AT LEAST 10 DIFFERENT WORDS AND HINTS FOR EACH WORD. INCLUDE AN ANSWER KEY.</p>

## CELL PROJECT CHOICE BOARD RUBRIC

	<b>EXCEEDS EXPECTATIONS (10)</b>	<b>MEETS EXPECTATIONS (9-7)</b>	<b>PARTIALLY MEETS EXPECTATIONS (6-4)</b>	<b>DOES NOT FULLY MEET EXPECTATIONS (3-0)</b>
<b>ASSIGNMENT COMPLETION</b>	ALL PROJECTS ARE COMPLETED AND ON TIME	ONLY 3 OF THE 4 PROJECTS ARE COMPLETED AND ON TIME	ONLY 2 OF THE 4 PROJECTS ARE COMPLETED AND ON TIME	ONLY 1 OF THE PROJECTS IS COMPLETED AND ON TIME
<b>APPEARANCE</b>	PROJECTS STAND OUT FROM THE REST AND SHOWS EVIDENCE OF CONSIDERABLE EFFORT. VERY NEATLY WRITTEN/TYPED AND ORGANIZED.	PROJECTS ARE NEATLY TYPED OR WRITTEN, ORGANIZED AND SHOW EVIDENCE OF GOOD EFFORT.	PROJECTS ARE HARD TO READ, NOT ORGANIZED AND SHOW EVIDENCE OF LITTLE EFFORT.	PROJECTS ARE MESSY AND APPEAR HASTILY ORGANIZED. LACK OF EFFORT IS EVIDENT.
<b>CREATIVITY</b>	PROJECTS ARE ORIGINAL AND FULL OF UNIQUE IDEAS.	PROJECTS ARE SOMEWHAT UNIQUE BUT MAY BE SIMILAR TO SOME OTHER PROJECTS.	PROJECTS HAVE MINIMAL CREATIVITY AND ARE NOT UNIQUE.	PROJECTS LACK CREATIVITY AND INDIVIDUALITY.
<b>INFORMATION ACCURACY</b>	ALL ORGANELLES AND INFORMATION ARE ACCURATELY DETAILED AND REPRESENTED.	MOST ORGANELLES AND INFORMATION ARE ACCURATELY DETAILED AND REPRESENTED.	FEW ORGANELLES AND INFORMATION ARE ACCURATELY DETAILED AND REPRESENTED.	ORGANELLES ARE NOT ACCURATELY DETAILED AND REPRESENTED.
<b>MECHANICS</b>	ALL SPELLING, GRAMMAR, PUNCTUATION AND CAPITALIZATION IS CORRECT THROUGHOUT THE PROJECTS.	MOST SPELLING, GRAMMAR, PUNCTUATION AND CAPITALIZATION IS CORRECT THROUGHOUT THE PROJECTS BUT WITH A FEW ERRORS.	SOME SPELLING, GRAMMAR, PUNCTUATION AND CAPITALIZATION IS CORRECT THROUGHOUT THE PROJECTS BUT WITH MULTIPLE ERRORS.	LITTLE SPELLING, GRAMMAR, PUNCTUATION AND CAPITALIZATION IS CORRECT THROUGHOUT THE PROJECTS.

NAME \_\_\_\_\_

TOTAL POINTS \_\_\_\_\_ / 50