

CELL ORGANELLES SUPERHERO TRADING CARDS

Directions: For FOUR cell organelles that are contained in the eukaryotic cell (nucleus, cell membrane, golgi apparatus, mitochondria, lysosomes, ribosomes, cell wall, chloroplast, cytoplasm, etc.) you are going to create a superhero trading card. Index cards work perfectly well, or you can trim a piece of paper to get four cards out of one sheet if you divide it equally.

FRONT OF CARD

NAME OF SUPERHERO

PICTURE OF SUPERHERO

Your picture must include what the superhero looks like as well as some emblem/symbol that helps signify HOW the hero functions in the cellular processes.

BACK OF CARD

NAME OF SUPERHERO

SuperPowers: Related to the Functioning of the cell.

HINT: This should be the FUNCTION of the organelle and how it helps the cell MAINTAIN HOMEOSTASIS.

Personality Traits: (Things your superhero might do)

Family Members/Fellow Superheroes: (Other organelles that the cell interacts with)

Depth of Knowledge Questions – Design two, only one can be a level 1, the other must be a 2 or 3 (you will earn 1 bonus point per card for a 3)

Example....
This is an example of Violet related to “the Incredibles” movie. **YOUR FOUR SUPERHEROES MUST BE “ORGANELLES” AND HOW THEY HELP THE CELL MAINTAIN HOMEOSTASIS.**



VIOLET

SuperPowers Related to “The Incredibles”

Violet can become invisible, she can create a force field under pressure.

Personality Traits:

Violet is a typical, shy teenage girl stuck at the crossroads between child and woman. She, like her parents, possesses special powers. She desperately wants to be like everyone else.

Family Members/Fellow Superheroes:

Mr. Incredible (father) Mrs. Incredible (Mother)
Jack Jack (brother) Frozone (family friend)

Depth of Knowledge Questions:

- 1) What is Violet’s special power? (recall – level 1)
- 2) If Violet was being attacked by a super robot explain two ways she might use her powers to save herself and her family. (Level two)

CELL ORGANELLES SUPERHERO TRADING CARDS RUBRIC

Standard: SB1a. Explain the role of the cell organelles, for both prokaryotic and eukaryotic cells, including the cell membrane, in maintaining homeostasis and cell reproduction.

Rubric for Cell Organelle Superhero Trading Cards:	Exceeds	Meets	Almost There	Not Yet
Information	All facts are correct for all 4 cards. Anything that was made up for the trading cards is reasonable and fits the facts. (70 points)	There is no more than one incorrect fact for all 4 cards. Anything that was made up for the trading cards is reasonable and fits the facts. (60 points)	There are two to three incorrect facts and/or one trading card is missing. (50 points)	There are more than three incorrect facts and/or more than one card is missing. (0 points)
Style	Each card has superpowers, traits, family members, and two DOK questions. (15 points)	One card is missing either superpowers, traits, family members or one DOK question. (10 points)	Two areas are missing from the trading cards. (5 points)	More than two areas are missing from the trading cards. (0 points)
Conventions	Spelling, grammar and punctuation are correct. (10 point)	You have one spelling, grammar, or punctuation error. (5 points)	You have 2-4 spelling, grammar, or punctuation errors. (3 points)	You have more than 4 spelling, grammar or punctuation errors. (0 points)
Creativity	Trading cards are well written. An attempt was made to “bring the organelle to life”. Picture is provide. It is original. (5 points)	Trading cards are well written. Some attempt was made to “bring the organelle to life. Picture is provided. Lacks some originality. (3 points)	Trading cards have some writing issues. You did not attempt to bring them to life. No picture 1 card. (2 point)	Cards are not well written. Not original. You did not attempt to bring them to life. No picture is provided 2 or more cards. (0 points)