

Sunlight

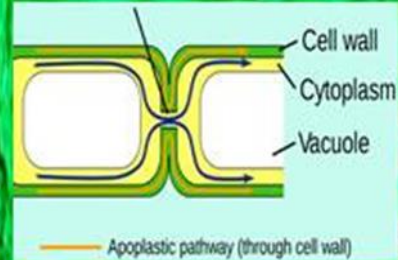


Material

When energy from the Sun hits a **chloroplast**, chlorophyll uses that energy to combine carbon dioxide (CO_2) and water (H_2O). This molecular reaction creates sugar and oxygen (O_2).

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Cell wall



Plant organelle only

Provides strength and support to the cell membrane

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Water

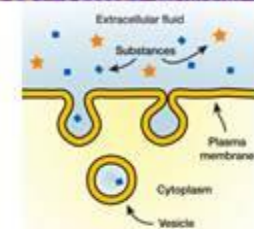


Material

Water is the universal solvent. This is important in osmosis since osmosis is a water specific process.

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Pinocytosis



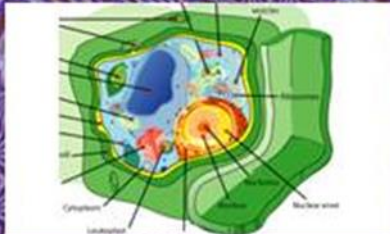
Action

1d6 gas and/or liquid materials are brought into the cell IF mitochondria are in play.

Pinocytosis works for small particles and requires energy since it moves materials from areas of lower concentration to areas of higher concentration.

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Wild Card



Instant organelle

This card becomes an organelle of the player's choice and stays in play.

(place marker indicating what organelle is chosen)

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Mitochondria



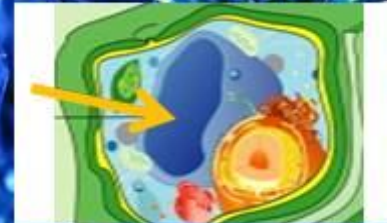
Organelle

Power generator

The size, location, and number of the mitochondria in a cell relates to the functions and activities of that cell.

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Plant vacuole



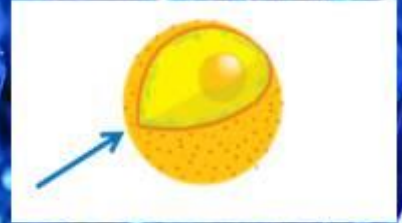
Organelle

Holds unlimited materials. Any materials in vacuole are NOT counted for concentration gradients NOR are they affected by homeostasis

Big storage shed for water, nutrients, wastes and other materials

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Nucleus

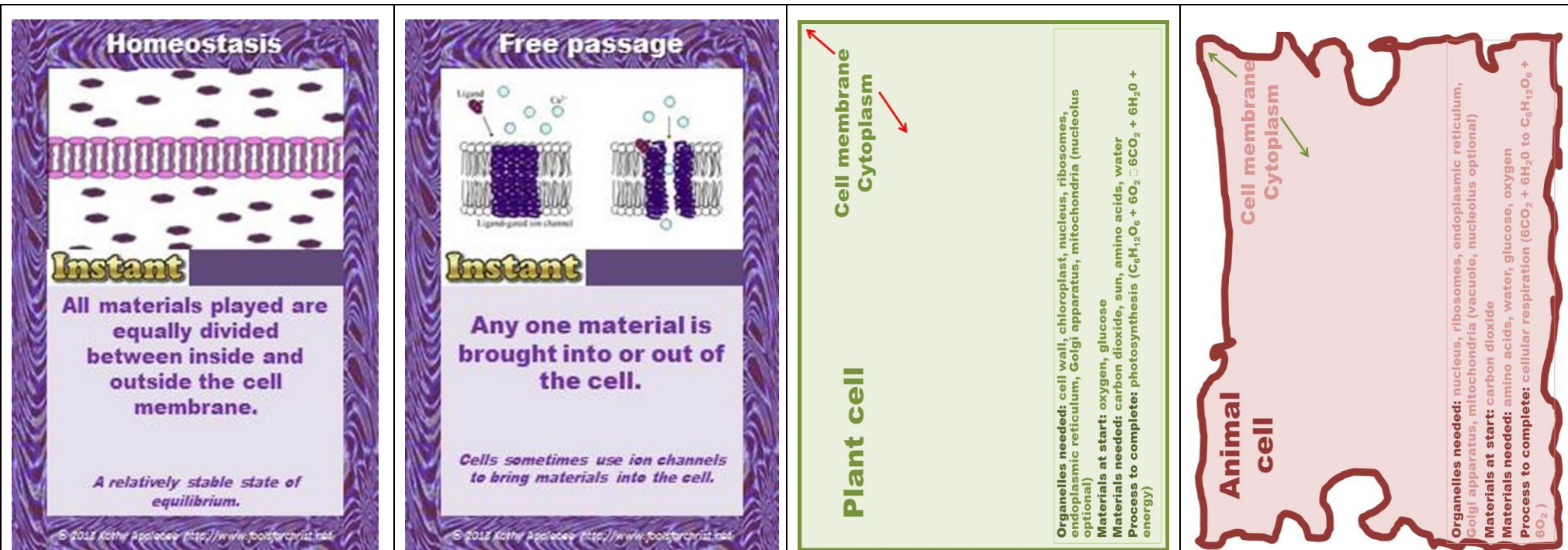


Organelle

When nucleus is in play, player may draw 2 extra cards during draw phase and choose 2 cards to shuffle back into the deck.

Contains the "brains": DNA in chromosomes or chromatin.

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The above cards are samples from additional science card games featuring the digestive tract, circulatory system, Germ Warfare (food borne, air borne and other germs vs. the immune system), weather and the water cycle. Games, especially those with full color graphics, engage students, foster discussion, provide ESL and struggling readers with images to go with words, and make great anchor activities for early finishers. They provide differentiated instruction options for various types of learners.

www.teacherspayteachers.com/Product/Game-Germ-Warfare-foodborne-illness-card-game-962983

www.teacherspayteachers.com/Product/GameAirborne-Illness-Germ-Warfare-card-game-971538

www.teacherspayteachers.com/Product/Game-Germ-Warfare-1-card-game-997814

www.teacherspayteachers.com/Product/Package-Digestion-games-2-Power-Points-2-969741

www.teacherspayteachers.com/Product/Game-Circulatory-system-card-game-991230

www.teacherspayteachers.com/Product/Game-Water-cycle-weather-card-game-1012764

www.teacherspayteachers.com/Product/Game-Cell-organelles-processes-game-1025814

<http://www.teacherspayteachers.com/Product/Game-Cell-cycle-mitosis-card-game-1029652>

<http://www.teacherspayteachers.com/Product/Game-Food-chain-adaptations-card-game-prompts-1029883>