

CARD GAME – GENERAL BIOLOGY

Give an example of where fermentation would be used to yield energy in the body	Give an example of where cellular respiration would be used to yield energy in the body
What is the original source of virtually all energy on Earth?	Give the equation for photosynthesis
Glucose is the original source of energy for our bodies. What is it stored as?	If the body has too much glycogen reserves, what is glycogen converted to to be stored in the body?
Give the equation for cellular respiration	From which organic compounds are organisms made?
The process of transporting material across a cell membrane that requires energy is called what?	In what form is energy usually lost from organisms?
Animals that have a constant body temperature are called?	What body system has the role of breaking down complex food substances into molecules small enough to enter cells?
Chemical digestion involves enzymes breaking down food molecules. What type of digestion physically breaks food into smaller pieces?	Plants require mineral nutrients. Where and how do they these nutrients from?
What substance involved in the digestive process is responsible for the breakdown of fats and oils	What is the name of the process where gases are exchanged across a body surface?

What factor influences the direct diffusion of gas exchange across a body surface?	What structure do leaves have for gas exchange?
Name two factors that influence the opening and closing of the stomata	How do roots exchange gases with the environment. What structure is responsible?
What structure on stems is responsible for gas exchange in plants	What organ in the respiratory system is responsible for the movement of air into and out of the lungs
What environmental conditions do organisms live in if they are adapted to low oxygen concentrations?	What gas affects gas exchange by binding irreversibly to hemoglobin molecules, preventing oxygen from binding?
In what way do respiratory pigments aid in gas exchange	What process involves the evaporation of water from the leaves of plants
What process involves the transport of sugars within phloem sieve cells around the plant?	What are the forces that act on water during transportation
In what part of the plant is sucrose transported from leaves to roots.	What is the process called where the phloem is cut from around the tree stump?
What is the part of the circulatory system responsible for keeping the blood moving in one direction?	What system of the circulatory system transports blood to and from the lungs
What system is responsible for controlling the amount of fluid in the body tissues , by replacing back into circulation	This molecule is found in muscles and carries a reserve store of oxygen that muscles can use if oxygen in the blood suddenly decreases. It colors muscles red.

Xylem is responsible for transporting what substance around a tree?	Phloem is responsible for transporting what substance around a tree?
The fluid that is located in the spaces between cells in tissue is what fluid?	Where does the exchange of material between blood and body tissue occur?
A circulatory system that entirely enclosed with a system of vessels and is pumped by a heart around the body is what?	Apart from the heart, where else are valves located?
In what part of the heart does deoxygenated blood enter?	What large vein transports blood back to the heart?
Where does blood go once it enters the pulmonary artery?	If the blood is travelling in the right atrium, where is it going to next?
If air has just passed through the trachea of the respiratory system. Where is it heading?	What part of the respiratory system is responsible for gas exchange?
The small flap of skin that covers the Oesophagus when breathing is called the?	What waste product is formed in the breakdown of carbohydrates?
Ammonia is produced from the breakdown of proteins. What is this converted to and where?	What are the three forms of nitrogen waste that can be excreted
What structures do insects have to excrete waste products	The word given to plants that can live in saline environment is?

What part of the kidney is responsible for the filtration and absorption of blood and blood products?	What would normally indicate a problem with the kidneys?
By what process is glucose absorbed back in to the kidney?	Describe how you would respond to environmental stimuli?
By what means are messages transported in the endocrine system	What receptor is responsible for sensing sound, sight and touch
What receptor is responsible for detecting heat, cold?	Tropisms are responses in plants that affect their growth. What tropism is responsible for growth towards light
What hormone is responsible for phototropism?	What is geotropism?