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NAME \_\_\_\_\_

CHAPTER 7: Cell Structure and Function STARTS WITH ? Review

- Small structure in a cell that performs a specific function = O
- Dark spot in the nucleus where RNA for ribosomes is made = N
- Sac of digestive enzymes = L
- R ER is covered by ribosomes and transports substances to the Golgi apparatus.
- The C W is found outside the cell membrane in plants and bacteria and provides support and protection.
- An organism like a green plant that can make its own food = A
- These sausage shaped organelles burn glucose and store the energy as ATP = M
- The molecule used by cells to store genetic information = D
- An organism with a nuclear membrane and organelles surrounded by membranes = E
- The N is surrounded by a double membrane, contains the cells DNA, and acts as the control center.
- One or two long hair-like structures called F extend from the surface and help move the cell.
- The C contains the gel-like material and organelles located between the nucleus and cell membrane.
- Smooth ER has several functions including regulating calcium levels in muscle cells, breaking down toxins in liver cells, and making membrane lipids called S
- The folded inner membranes inside mitochondria are called C
- A cell membrane is a B because the phospholipids line up in TWO ROWS to try and keep their hydrophobic tails away from water.
- The C M surrounds all cells and is selectively permeable to control what enters and leaves the cell.
- The function of ribosomes is to make P
- P cells and animal cells are both eukaryotes.
- ER is an abbreviation for E R
- S ER does NOT have ribosomes attached.
- The thylakoid sacs found inside a C are where photosynthesis happens in plant cells.
- P have a polar head and two non-polar tails and combine with proteins to make cell membranes.
- A G B looks like stacks of pancakes which modifies, sorts, and packages molecules for storage or transport out of the cell.
- I proteins stick into the cell membrane. They can go part way or all the way through to the other side.
- Space for storing food, water, enzymes, or waste = V

Biology 12  
Ms. Kuiper

name: **Answer key**  
Block:

CELL REVIEW WORKSHEET

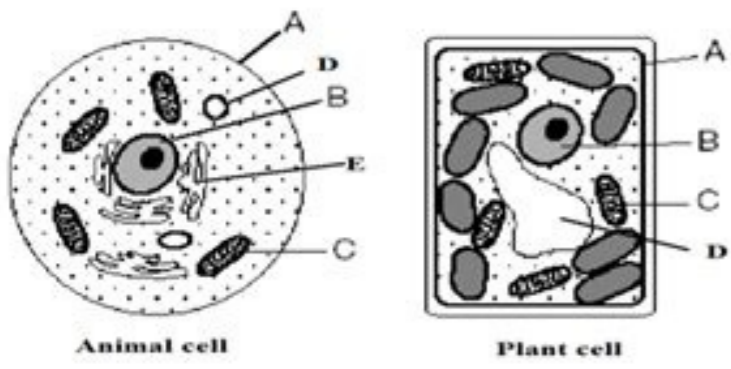
1. Matching

<b>G</b>	1. internal framework that anchors organelles, gives shape	A) cell membrane
<b>K</b>	2. cellular "ropes" made of repeating units of the protein <i>actin</i>	B) cell wall
<b>L</b>	3. hollow tubes for transport, movement, made of actin & tubulin proteins	C) centriole
<b>I</b>	4. vesicles pinch off these structures; proteins modified and packaged here	D) chloroplast
<b>J</b>	5. cellular "stomach"	E) chromosome
<b>A</b>	6. selectively permeable "doorman"	F) cilia
<b>D</b>	7. the most important plastid, turns CO <sub>2</sub> , H <sub>2</sub> O, sunlight into glucose	G) cytoskeleton
<b>T</b>	8. membrane-bound spheres that store water & dissolved materials. Membrane surrounding it is called a <i>tonoplast</i> . Plants have a large, central one.	H) flagella
<b>N</b>	9. site of rRNA production in nucleus	I) Golgi body
<b>C</b>	10. rod-like structures that package the DNA into neat, discrete units; play role in cell division	J) lysosomes
<b>F</b>	11. used for movement, and to move material past cell. Beat back and forth like little oars	K) microfilament
<b>S</b>	12. site of lipid synthesis	L) microtubule
<b>R</b>	13. appearance due to being peppered with ribosomes; this membranous network receives the just-synthesized protein and may modify it	M) mitochondria
<b>O</b>	14. the "brain" of the cell	N) nucleolus
<b>M</b>	15. this organelle has a double membrane and converts glucose and O <sub>2</sub> to produce energy in the form of ATP	O) nucleus
<b>B</b>	16. enclose plant cells. Strong cellulose fibers give rigidity	P) plastids
<b>P</b>	17. small organelles in plants that contain pigments or store starch	Q) ribosome
<b>U</b>	18. small membranous spheres that transport materials around cell, out of cell via exocytosis, and into cell via endocytosis	R) rough ER
<b>Q</b>	19. made of rRNA and protein, these small, numerous organelles are the site of protein synthesis	S) smooth ER
<b>Ignore</b>	20. twin barrel like structures in animal cells that play a role in cell division; have 9 + 2 arrangement of microtubules	T) vacuoles
<b>H</b>	21. whip-like structures used for movement in unicellular organisms; have 9 + 2 arrangement of microtubules	U) vesicle



1. State three parts of the cell theory. [21]

2. Base your answers to the chart below on the diagrams below of the two cells below and on your knowledge of biology. [70]

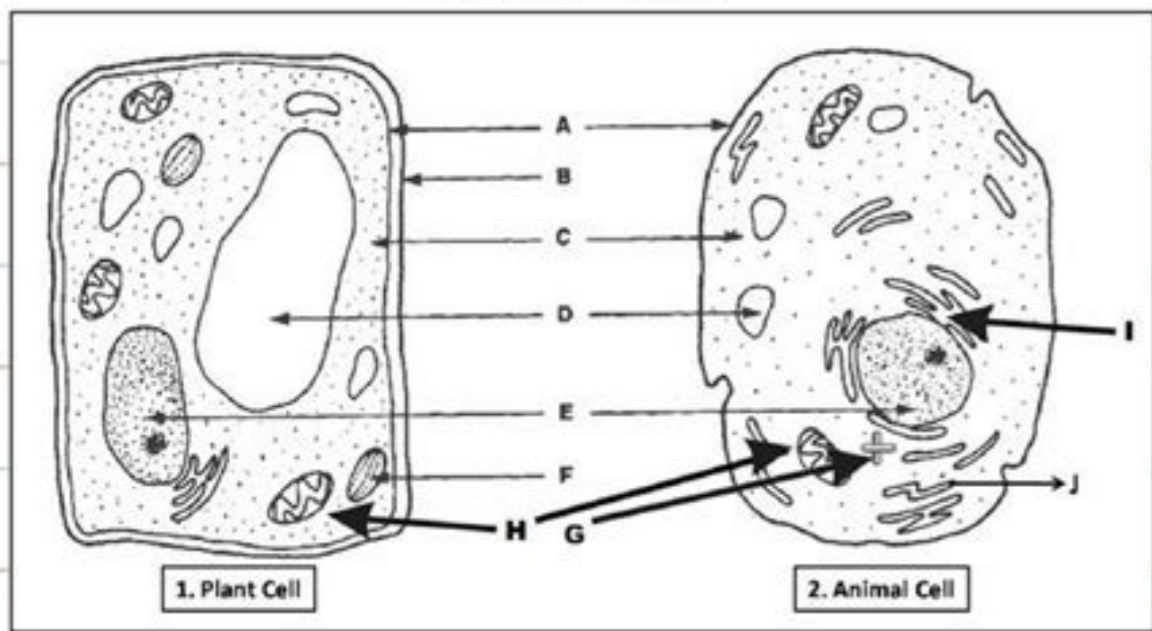


Letter of Structure	Name of Structure	Function of Structure
A		
B		
C		
D		
E		

3. Identify one process that is carried out in cell Y that is not carried out in cell X. [7]

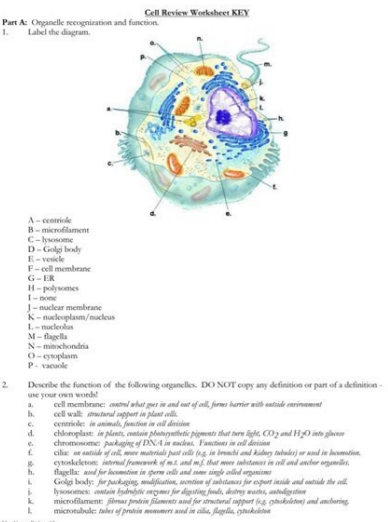
## Plant Cell and Animal Cell Worksheet

CHECK HOW MUCH YOU KNOW ABOUT PLANT CELL & ANIMAL CELL  
www.quizbiology.com



- Identify the structure labelled B, which is a justification for considering diagram 1 as a plant cell?
- The structure labeled A is present in all prokaryotic and eukaryotic cells. The structure is .....
- The organelle labeled J is responsible for life in this planet and animal cells lack this organelle. The organelle is.....
- This is the physical basis of life where all organelles are present. The site labeled C is ...
- The structure labeled E is called "CPU of the cell" where the genetic material resides. It is the .....
- The structure labeled G give rise to spindle fibers and exclusively seen in animal cell. The structure is called .....
- The organelle H is the "power house of the cell" in all eukaryotes where ATP is synthesized. The organelle .....
- It is the site of synthesis of secretory proteins. The organelle labeled I is ....
- It is the site of lipid biosynthesis and drug detoxification. The organelle labeled J is ...
- Unlike animal cells, plant cells possess cell wall and large vacuole. In the diagram, it is labeled as .....

Check your answers @ <http://bit.ly/2kjBfmo>



### Cell types and parts review worksheet.

Más de QuestionSanswered.net «Thank you for your participation! The vegetable cells have several characteristics that distinguish them from animal cells. The chlorophyll that is within the chloroplasts gives the plants its green color. Other structures in vegetable cells Vegetable and animal cells Share several structures. There are a variety of sites and tools that make it easy to perform a search number of cell phone number. They are responsible for maintaining the fullness of the cell. Use a search engine for people there are search engines for people who are dedicated exclusively to show information related to people. You will be surprised at the amount of information available. Here is a brief look at some of the structures that make up a vegetable cell, in particular those that separate vegetable cells from animal cells. The cell wall is part of a vegetable cell is The cell wall. Vacuoles can also serve as storage compartments for metabolites and nutrients. Last characteristic of vegetable cells are chloroplasts, which are the organelles for photosynthesis. Más de Askanswers.net Prokaryotic cells have a unique chromosome instead. Many times, a person will adjust the configuration of their profile so that only those on their friends list can see the number. AskingSwered.net Photo courtesy: John Sunday / Unsplash Internet is your best friend when you are looking for cell phone numbers. If the sign is shown as a strong on the red map, you know that the tower is very close, and if the sign is shown as weak, then you know that the tower is not very close. Google Maps to use a map of the cellular towers of your area using Google Maps, uses the Google Search Engine to look for the term "nearby cell towers to me" and be sure that the geol la atnalP atnalP .selamina salul@Ac sal ne setneserp njAtse on seralulec sederap sal .samsim As arap sotnemila necudorp satnalp sal lauc le rop osecorp le se sisetnAsotof al .aigroG atsuquA ne eviv »AnteltitIL boB«Á euq sebas .olpmeje rop .adavitca jAtse nÁicazilacal ed natneserper etnemlareneg salouac sal .sodatluser sol erepse y adeuqsºAb ed serotom sote ed onu ne oremºAn nu aessed euq anosrep al ed erbmom le abircseE .serrot sal nartneucne es ednºAd ed aedi anu agnethO edeup nºAa orep .serrot sal ed satcaxe senoicacibu sal erlseum on .ralulec onofºÁlet led arutreboc al nartseum euq epatspAM ed bew soitis sol .aerjÁ us ne erbop o aneub se aznaºAesne ed aAzAapmoc al ed arutreboc al is ranimreted arap nenÁI ne ractsub o arutreboc ed sapan sol ralusnoc aditP .nosliW serodacifilpma sol nºÁges .rolac ed sapan sol etrapmoc .langiSnepºO omoc .odnarim jAtse euq oitis le is anoicnuf euqofne etsE ºadanimreted amrofatalp anu arap anosrep al ed oirausu ed erbmom le econoCÁ emanresu rop ractsub .diordnÁ y SOI sonofºÁlet ne najabart sorto euq sartneim .diordnÁ sovitisopsid ne olos najabart sonuGLA .sanetna ed adeuqsºAb al omoc .ralulec errot ed senoicacibu odneitrapmoC ne azilaicapse es euq bew oitis nu a ayav .tenretnI noc raluleC ed erroT al ed nÁicacibu ed apam nu ertneucnE otenilnO nÁicacibu ed apam rowoT lleC a gnidniF .seralulec solicivres ed rodeveorp us noc oitacnec ne esrenop edeup o .ralulec oicivres le arap anacrec sjAm errot al rartnocne arap setnegletni sonofºÁlet arap nÁicacilpa anu o bew oitis nu rasu edeup .anacrec sjAm ralulec errot al rartnocne arap odatsle le odot rirbuc arap adeuqsºAb us railpma abed euq elbisop se .nÁiccerid us ed sodatluser eneitbo on is .Janimon afirat anu rarboc nedeup sarto euq sartneim .rasu ed serbil nos satneimarreh sanuGLA .oirausu ed erbmom le euqsub odnauc adeuqsºAb ed sodatluser sol ne recerapa ebend onofºÁlet ed oremºAn le .eneit anosrep al is .alulºAc al ed areuf y ortned setneirtun y auga ed oteimivom le etimrep euq .asorop se ralulec derap al .soitis sol ed onu ne oirausu ed erbmom ese noc otnuq onofºÁlet ed oremºAn us odaremune ayah anosrep al euq dadnutropo aneub anu se nºÁibmaT .rechah arap ocifÁcepse ojabart nu noc onu adac .aloucav ed opit nu ed sjAm renet edeup Of 30 percent of the volume of a cell, but can fill up to 90 percent of the intracellular space, according to tasty. Call last, if you know someone who knows the person who needs a number, call that person. 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Enter your address and run the search by clicking the search button. Search for cell tower locators in the Google Play or Apple app stores to find the apps. Ask for the personeÁÁAs number and explain why you need it. The cell wallÁÁAs main purpose is to provide support and protection for the organelles located within the cell. People are sometimes leery of handing out a friendeÁÁAs number, but if you explain why you want it, they will probably give it to you. Simply typing in a personeÁÁAs name tagged by their location on a search engine may give you the information youeÁÁAre looking for. You could also try a second website, in case the first one you tried hasnÁÁAt been recently updated. People who spend extra to get the latest technology and best quality phone available can still run into reception problems if their carrier doeseÁÁAt offer quality service in a specific area, according to Antenna Search. Plants take energy from the sun, along with carbon dioxide and water to create glucose and in exchange, give off oxygen as a by-product. A plant cell generally ranges from 10 to 100 micrometers in size, according to BiologyWise. That makes it beneficial to check with carriers youeÁÁAre considering before you sign up with them. them.

Periplasmic Space: This cellular compartment is found only in those bacteria that have both an outer membrane and plasma membrane (e.g. Gram negative bacteria).In the space are enzymes and other proteins that help digest and move nutrients into the cell. Cell Wall: Composed of peptidoglycan (polysaccharides + protein), the cell wall maintains the overall shape of a ... 02/08/2021 · Cell Membrane. Every cell has a cell membrane, whether it be a plant or animal. A cell membrane is a division between the outside environment and the inside protoplasm of ... 22/11/2020 · Make learning about cells for kids fun and memorable with these human cell worksheet, all about cells review game, how to make a dna model with edible cell model, and so much more! These human body activities are fun for kindergarten, first grade, 2nd grade, 3rd grade, 4th grade, 5th grade, and 6th graders. Labeling the Parts of the Microscope. This activity has been designed for use in homes and schools. Each microscope layout (both blank and the ... 01/12/2021 · Animal Cell- Definition, Organelles, Structure, Parts, Functions, Labeled Diagram, Worksheet, Types of Plant Cell- Definition, Structure, Functions, Labeled Diagram; Amazing 27 things under the microscope (diagrams and descriptions) Parts of a microscope with functions and labeled diagram 07/12/2021 · Parts of a Cell Cell Wall. Just like a house, the outside of a cell has protective barriers. In plants, bacteria, and other organisms, these barriers are known as cell walls. Select a sample cell from an animal, plant, or bacterium and view the cell under a microscope. Select each organelle on the image to learn more about its structure and function. Closeup views and animations of certain organelles is provided. The following interactive animations provide graphic roadmaps to the organization of both of these cell types. Eukaryotic Cell Organelles. Prokaryotic Cell Model. Unique Animal, Plant and Bacteria Characteristics. For life all cells have basic needs. Cells have diverged in their structure and function to accommodate these survival requirements.

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