## Plant Tissues and Growth Worksheet

Name	
Write true if the statement is true or false if the statement is false.	
1. Root hairs and guard cells are produced by ground tissue. (epiderma)	
2. A tissue is made of a group of cells that have the same job.	
3. Instead of having a cell membrane, plant cells have a cell wall. (both)	
4. A plant's central vacuole is typically large.	
5. Some types of parenchymal cells are photosynthetic cells.  6. Cell walls of sclerenchyma are very thick and give extra support	
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7. Xylem and phloem are types of dermal tissue. (Vascular)	
8. The plant cuticle protects and waterproofs the above-ground parts of the plant.  9. The meristem is made of differentiated cells. (undifferentiated)  10. The plant cell wall is located just inside the plant's cell membrane. (outside)	**
Circle the letter of the correct choice.	
1. Which of the following types of cells would be best at storing food for a plant?	
aparenchymal	
(b) sclerenchymal	
(c) collenchyma	
(d) prokaryotic	
2. The organelle that maintains pressure against the cell wall, so that the plant cell keeps it	
shape, is the:	
@central vacuole.	
(b) endoplasmic reticulum.	
(c) golgi bodies.	
(d) nucleus.	
3. The plant cuticle	
(a) coats the surface of the root.	
(b) is made by ground tissue.	
(c) transports sugars throughout the plant.	
(d))is made by epidermal cells.	
4. Xylem and phloem are	
(a) dermal tissue.	
(b) ground tissue.	
©vascular tissue.	
(d) epidermal tissue.	
5. The meristem consists of	
(a) cells with a thick cuticle.	
(b) differentiated cells.	
©undifferentiated cells.	
(d) all of the above.	

cell wall	chloroplast	dermal tissue	galls 🗸	parenchyma 🗸
central vacuole	cuticle	transpiration	vascular tissue	sclerenchyma
thylakoids 🗸	glucose	granum	transpiration	photosynthesis :
xylem	phloem	adhesion	cohesion	diffusion
root hair	auxin 🗸	ground tissue 🗸	root pressure	meristem
3. <u>Parenchy</u>		nsists of loosely packe	d cells with thin cell w	valls and carries
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