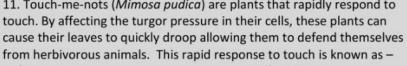
	Name:		Date:	Period:				
Homework: Plant Systems Interactions								
	Plant Cell Chloroplast Nucleus ilbosomes ill wall Mitochor	Veia — Phloem Xylem		Plant Organs Flower Mesophyll Guard Cells Tomate Root				
	Answer the following questions about plant cells, tissues, organs and systems.							
	Which organelle sh A ribosome	nown above would <u>not</u> B mitochondrion	be found in an anima C nucleus	l cell? D cell wall				
	2. Which organelle sh A chloroplast	own in the diagram ab B cell wall	oove allows plants to p C mitochondrion	perform photosynthesis? D ribosome				
	3. What tissue found through the plant? A phloem	in both the root and s B mesophyll	hoot systems of plants C xylem	conducts water and minerals D epidermis				
	4. Stomata are tiny ho photosynthesis becau A distribute sugar to B provide the plant w	use they – the leaf cells	ants. These are critica C absorb the sun's so D allow gases to ente					
	5. Sugars created dur following types of tiss A xylem		e distributed through t	he plant inside of which of the D epidermis				
	6. The cuticle is a way the cuticle is prevent A prevent water loss B absorb sunlight for	– from leaves	ne upper surface of lea C capture carbon dio D distribute water to					
	7. What part of the p	lant is responsible for a B flowers	absorbing water from C stems	its environment? D leaves				
	8. Which of the follow as angiosperms? A leaves	ving is the reproductiv B roots	e organ of vascular pla	ants that have been classified D stems				
	9. The mesophyll is a mesophyll would bes A tissue		ed to carry out photo C organ system	synthesis for the plant. The D organelle				



Match the following forms of	Match the following forms of tropisms with the correct stimuli.					
A = Touch	B = Light	C = Gravity	D = Water			
Hydrotropism H. Thigmotropi	2. Gravitropi sm	30000 A C	3. Phototropism pism	-		
	Secretary Control of the Control of		di kana sa di			
Answer the following questions about plant tropisms and nastic movements.						
5. If a plant grows towards a s	timulus, the tropism	n is A positive	B negative			
6. If a plant grows away from	a stimulus, the trop	ism is A positive	B negative			
	n response to the su	in over. he bism	2 3 4	1		
	growing upw response wo A positive ge	vards against the fo ould best be describ cotropism C		nnt		
9. The roots of a plant in dry s pattern of growth is known asA positive hydrotropismB negative phototropism	s – C neg	vards soil that conta gative hydrotropism sitive phototropism		s		
12. When a plant grows in the shade, its stems tend to bend away from the shade because of the hormone auxin. This gives the plant a greater chance of absorbing the energy it needs to make its own food. The response shown by a plant growing this way is called — A phototropism B thigmotropism C gravitropism D hydrotropism						
12. The bending and growth of which of the following? A salts and minerals B turgor pressure	C aux	d roots is primarily kin hormones orophyll molecules	directed by the actions o	of		
	11. Touch-me-nots (<i>Mimosa pudica</i>) are plants that rapidly respond to touch. By affecting the turgor pressure in their cells, these plants can					



A thigmonasty C photonasty **B** phototropism **D** gravitropism



