Name	D	oate:	Period:
While	ou complete each activity, please follow along with this lo	ıb sheet.	
	IPING THE SUPPLY: IS GROUNDWA EWABLE RESOURCE?	ITER A	GROUNDWATER FOUNDATION Protect. Connect. Inspire.
	Define well: Define well screen:		
3.	Explain why a well screen is necessary		
4.	List three things that should be considered when select sitting a. b. c.	ting a locati	ion for a well or well
5.	Compare and contrast withdrawal and drawdown		
6.	Explain the complications that may result from mining	an aquifer.	
7.	Discuss the value of pumping a well at its safe yield ar oump over the safe yield.	nd infer what	will happen if you

Extension A. Rebuild the aquifer and include a confining layer. Do this by repeating steps 1-9 of the procedure. How does a confined aquifer respond to drawdown and recharge?					
	B. Demonstrate the effects of pumping wells at various depths by moving the pump tube. Sketch pictures of your aquifer				
	Water level of Aquifer <u>before</u> changing pump depth	Water level of Aquifer <u>after</u> changing pump depth			
	C. Research and demonstrate factors affecting well location due to water quality concerns.				
D.	D. Rebuild the aquifer with sand or a mixture of sand and gravel. Does the material the aquifer is made of affect the recharge and pumping rates?				

E. Create and explain a cone of depression. TIP: This is best demonstrated in sand.					
Sketch an image of you	cone of depression and explain what it is				