

Data and Observations

Chemical Pollution in Water

Part I		Part II			
Test for Ions		Unknown # ____		Unknown # ____	
1	2	3	4	5	6
A					
B					
C					
D					

Record detailed observations inside the circles on the table. Record all color changes that occur. Record whether any gases evolve. If any solid precipitates form, use the abbreviation PPT. If no reaction at all occurs, use the abbreviation NR.

Describe and explain the chemical changes that were observed in each well for Part I.

Well A1	
Well A2	
Well B1	
Well B2	
Well C1	
Well D1	
Well D2	

Post-Lab Questions

Answer the following questions. Use additional paper if more space is needed.

1. Unknown number: _____

What ion(s) were present in your unknown sample? List all supporting evidence.

2. Unknown number: _____

What ion(s) were present in this unknown sample? List all supporting evidence.

3. (Optional) On a separate sheet of paper, write the overall and net ionic equations for each reaction that occurred in Part I.