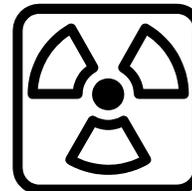


# Radioactive Decay of Candium

Name: \_\_\_\_\_ Per: \_\_\_\_\_ Seat #: \_\_\_\_\_

## Procedure:

- 1) Get a cup filled with atoms of Candium (pieces of candy)
- 2) Count how many pieces of Candium you have and record it in your data chart.
- 3) Cover the cup and gently shake for 10 seconds.
- 4) Gently pour out candy.
- 5) Count the number of pieces with the **print side up**.  
- These atoms have "**decayed**" and are now stable.
- 6) Record the numbers in the data table.
- 7) Return **only** the pieces with the **print side down to the cup**.  
- Set the decayed pieces to the side.
- 8) Gently shake the cup for 10 seconds.
- 9) Repeat the above steps until every single atom of Candium has become stable.
- 10) Record your data up front so we can combine the results.
- 11) Graph the **class data** and answer the conclusion questions.



## Personal Data:

Half-life	Total Time	# of Decayed Atoms	# of Undecayed Atoms
0	0 sec	0	
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			

**Total Class Data:**

Half-life	Total Time	Total # of Undecayed Atoms	Half-life	Total Time	Total # of Undecayed Atoms
0			11		
1			12		
2			13		
3			14		
4			15		
5			16		
6			17		
7			18		
8			19		
9			20		
10					

**Graph of Class Data:**

