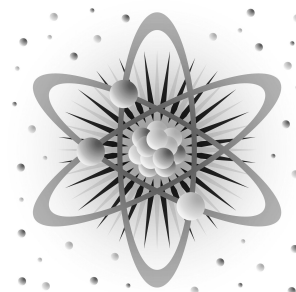




Name: _____ Date: _____

The Smallest Bit



Procedure

1. Measure the length of your strip of paper and record it in your data table.
2. Cut the strip into equal halves.
3. Take one of the halves, measure the length, and record.
4. Cut the piece into equal halves again.
5. Continue steps 1–4 until you can no longer cut the resulting piece in half.

Cut Number	Size of Strip
0	
1	
2	
3	
4	
5	
6	
7	
8	
9	

1. How many times were you able to cut the paper in half?
2. It would take 31 cuts to get down to the size of an atom. Do you think you would be able to get that small using tools other than scissors?
3. What does this tell us about the size of an atom?