Name: Date:
Nanochemistry
Imagine that you have eyes which can see atoms.
Demonstration: Atomic paper clips
What you do
Watch what happens to the paper clips.
Questions
What is the smallest 'particle' in the paper clip pile?
2. Will one paper clip still work as a paper clip?
3. Make up names for the two parts of the broken paper clip. What are the names of parts of an atom?
4. Is the broken paper clip useable? Would a broken up atom be useable?
5. What is the smallest particle in the metal?
6. Why can't the metal sheet be torn into the smallest possible particles?
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7. Will the smallest particle in the metal still be made of the metal? Explain your ans	swer.
8. How could we see the smallest particle in a piece of metal?	
9. Can the smallest particles in metal be broken apart?	
10. Would the broken pieces of metal particles still be metal?	



Note: This resource can be downloaded as part of a collection of activities exploring atoms and nanochemistry (https://rsc.li/37302Bh) or for use with a lesson plan on matter, elements and atoms for 11–14 year olds (https://rsc.li/32yJ6Qu).

