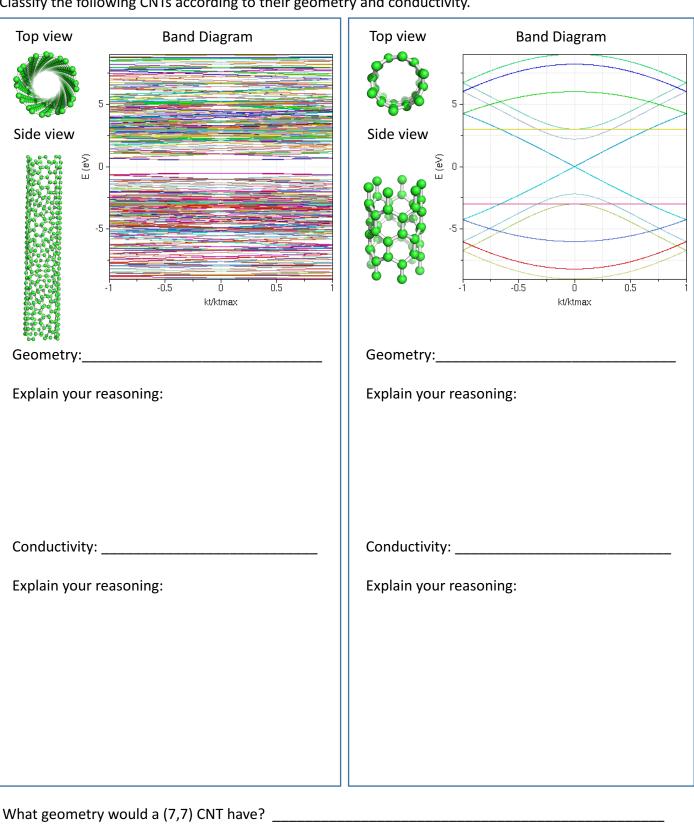
Name:		Date:	
		on Nanotubes	
are two types o		ms of their geometry, as being <i>chiral</i> , or <i>achiral</i> . That ag. CNTs can also be classified in terms of their electonductors.	
Classify the follo		ometry and conductivity. The figures were created	using
Top view	Band Diagram	Top view Band Diagram	
5-		5-	
Side view		Side view	
. n (e)			
-5		-5	
	-0.5 0 0.5 kt/ktmax	-1 -0.5 0 0.5 kt/ktmax	
Geometry:		Geometry:	
Explain your reasoning:		Explain your reasoning:	
Conductivity:		Conductivity:	
Explain your reasoning:		Explain your reasoning:	

Carbon Nanotubes Page 2

Classify the following CNTs according to their geometry and conductivity.



You can check your work using https://nanohub.org/tools/cntbands-ext

What type of conductivity would a (6,0) CNT have?