

Dr. Duick

0000 Wave Video Tables (27pts)

7pts) Diagram a wave and show all of the parts: node, antinode, wavelength 4cm, crest, trough, amplitude 2cm, period 2 seconds.

20pts) Video Table (Draw in your notebook)

Describe the harmonics of a standing wave (L=length of string)

Harmonic	Diagram	Nodes	λ	Frequency
1 st (fundamental)		2	2L	$F_1 = v/2L$
2 nd				
3 rd				
4 th				
5 th				
6 th				
7 th				
8 th				
9 th				
10 th				