Micro 260 SFCC	Winter 2012	Name:
		d virian (4 nts)
1) Hand draw and la	ioei a non-enveloped	u virion. (4 pts)
2) What is the differ	rence hetween a non	n-enveloped virion and an enveloped virion? (4 pts)
3) How large is the	oiggest virion comp	pared to how small is the tiniest virion? (2 pts)
4) What are the crite	eria used in classifyi	ing virions? (4 pts)

5) How many orders of virions have been classified to date? (2 pts)					
6) Sketch and briefly describe the 5 different stages that a $T_4$ lytic type virion uses for replication within an $E.\ coli$ bacteria. (10 pts)					
7) Draw and annotate a diagram for a virion replication graph. (14 pts)					

A. During Lysogenic conversion phage lambda virus bechost's genomic structure. What is the resulting integral	=
called? (1 pt)	
Lysogenic conversion is responsible for the bacterial genome evoking potential disease. (1 pt)	genes being incorporated into
B. During the process of viral excision (called now follows a lytic process.	) from the <i>E. coli</i> host (1 pt)
C. What are 3 agents that may cause the events in question	n B? (3 pts)
)) In what part of Eukomotic call animal types (6 pts):	
) In what part of Eukaryotic cell animal type: (6 pts):	
RNA virus replicated	
DNA virus replicated	
RNA retrovirus	
0) Describe the <u>three mechanisms</u> by which animal viruses animal cell. (6 pts)	s make entry into an

11) How does a virus exit an animal cell? (4 pts)					

12) Draw and label the 3 models of by which (-)RNA, (+)RNA, (ds)RNA type virus replicate occurs within Eukaryotic cells. (12 pts)

13) Now, in sum	mary, describe 3	s ways that a v	rırus can be da	amaging to a E	ukaryotic cell.	(6 pts)