## RADIOLAB Podcast "Shrink" Assignment

RADIOLAB Podcast "Shrink" Assignment  Name:	Megavirus
Listen to the <b>Radiolab Podcast "Shrink"</b> (Click on link to a answer all questions below. Your grade will be based on how	access podcast. You must have internet access to do this.) Then completely complete and correct your answers are.
Podcast URL: http://www.radiolab.org/story/shrink/	
1. Based on what you have learned in class, and what David Quammen and the Radiolab discuss, what are some of the differences & similarities between cells and viruses?	
<u>CELLS</u>	<u>VIRUSES</u>
	hospital cooling tower to look at the bacteria found there. What did his attention? What was strange about this? What did he name it?
3. After Robotham's lab gets shut down, he gives samp researcher think that this microbe looks like? What led	oles of this microbe to a French microbiologist. What does this him to think this?
4. How does the French microbiologist eventually grov	v this microbe? What did he rename the microbe?
5. What can this virus do that other viruses don't? In w description.)	hat ways is it different from other viruses? (Please give a detailed

6. The researchers looked in another hospital cooling tower and found another giant virus. What did they name it? How is it different from Mimivirus?
8. Then researchers continued looking for these giant viruses around the world. What are the other giant viruses named, and how are they different that the ones found previously?
9. Where did these giant viruses come from? (i.e. What do scientists think they evolve from?)
10. What is Robert's Krulwich's "problem" with parasites?
11. Summarize Carl Zimmer's "Mansion Metaphor" of how a living cell might become an acellular parasite.
12. Most viruses have much less genetic material than cells do. How would a cell genetically "shrink" into a virus?
13. What does Robert mean by "race to the bottom"?
14. How have humans genetically "shrunk"?

This assignment is from the <u>Virtual Biology Classroom</u> on the free science education website <u>Science Prof Online</u> (ScienceProfOnline.com). Visit the website to find