**VIDEO GUIDE FOR BOZEMAN BIOLOGY – CELLULAR ORGANELLES**

1. Explain the relationship between the nucleus, rough ER, ribosomes and smooth ER.
2. What is the relationship between the rough ER and the Golgi?
3. How are vacuoles important? (2 reasons)
4. Why does Mr. Anderson group mitochondria and chloroplasts together?
5. Describe the structure of the ribosome.
6. Why does it make sense that the rough ER is attached to the nucleus? (Hint: think of the function of the rough ER and what info is in the nucleus)
7. What is the function of the Golgi? (Don’t say “UPS guy”)
8. Why are lysosomes important?
9. Why is the inner membrane of the mitochondria folded? What does that help it do?
10. What part of photosynthesis occurs on the thylakoids? The stroma?