**VIDEO GUIDE BOZEMAN BIOLOGY – ADVANCED GENETICS**

1. What were the seven characteristics of peas that Mendel studied?
2. What is the Law of Independent Assortment?
3. Why do the seven characteristics Mendel studied in peas assort independently?
4. What is polygenic inheritance? Give an example.
5. Who discovered sex linkage in fruit flies?
6. What is sex linkage? Describe an example in humans.
7. Draw a punnet square showing a cross between a female carrier of colorblindedness with a male who does not have colorblindedness.
8. What is non-nuclear inheritance?
9. From which parent do you inherit the vast majority of your mtDNA (mitochondrial DNA)?