Monday:EVO devo- finish pbs series

Nutshell- superbug
https://www.youtube.com/watch?v=xZbcwi7SfZE&t=297s

Finish what Darwin never knew!

Abiogenesis vs biogenesis- 2K of spontaneous generation
https://www.youtube.com/watch?v=WNByRghR6sw

Early Earth -caves/ extremophiles -5 min
https://unctv.pbslearningmedia.org/resource/ess05.sci.ess.eiu.lifecondtn/caves-extreme-conditions-for-life/#.Wh8E7VWnHcs

Early atmosphere? Cyanobacteria-2 min
https://unctv.pbslearningmedia.org/resource/tdc02.sci.life.cell.stetteroxygen/life-before-oxygen/#.Wh8FlVWnHcs

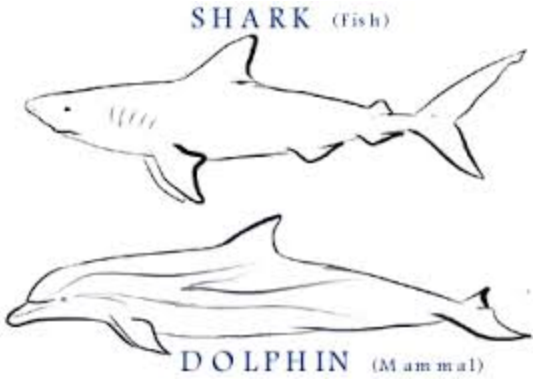
Three experiments that changed the world
https://www.youtube.com/watch?v=63loOLXmzKg

Evolution in action - salamanders- divergent or adaptive radiation
https://www.pbs.org/wgbh/nova/video/evolution-in-action

Rattlesnakes losing rattles

https://www.nbc26.com/news/national/rattlesnakes-evolving-losing-their-rattles-expert-says

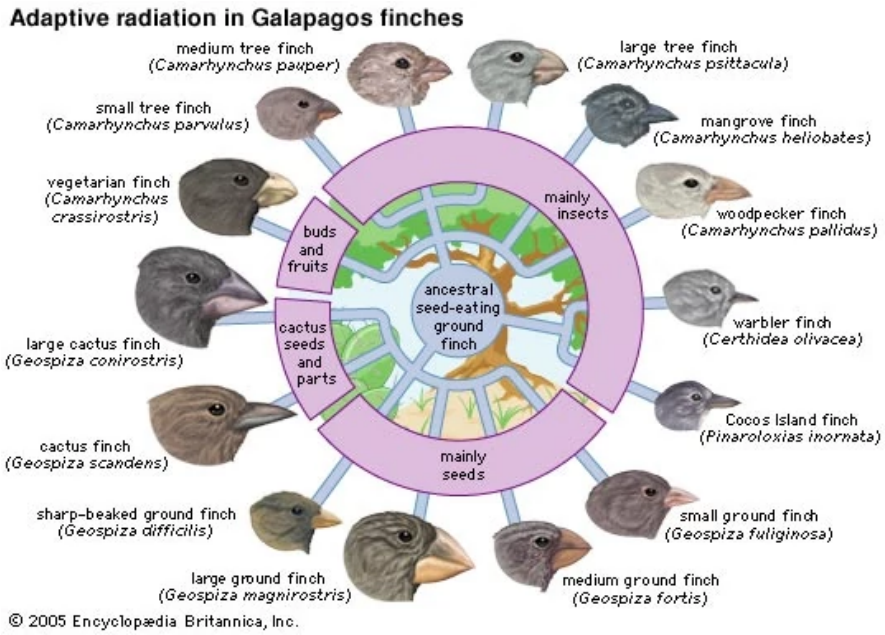
Convergent evolution- bats and dolphins??



https://www.youtube.com/watch?v=Odq7W2u2Xj8

http://dragonflyissuesinevolution13.wikia.com/wiki/Convergent_Evolution?amp%3B_DNews_The_Amazing_Connection_Between_Bats_And_Dolphins=undefined

Adaptive radiation



Adaptive radiation
Co- evolution- bozeman 8 min
https://www.youtube.com/watch?v=QDVbt2qQRqs
nutshell-Clustered regularly interspaced short palindromic repeats - Cas 9- malaria?? 7min
https://www.youtube.com/watch?v=TnzcwTyr6cE

Wednesday warm up:

1. **What are the three types of passive transport and what would each type possibly a be transporting?**
2. **Complete a cross between a woman heterozygous with brown hair and a man homozygous with brown hair**
3. **What is responsible for cutting out sections of dna (genes) during bacterial transformation?**
4. **Where does transcription occur and what is the end product of transcription?**
5. **What organelle carries out lactic acid fermentation and how much energy is produced?**

https://docs.google.com/document/d/1OwhnaAhzOi-FQSvwceXnzbStjLzXYvZh9pUepJqymqo/edit?usp=sharing

Thursday warm up:

1. **What illness have we developed gene therapy for?**
2. **What is the the biochemical evidence that supports the theory of evolution?**
3. **Give examples of divergent evolution and convergent evolution.**
4. **What factors can lead to critters becoming new species?**
5. **What are three ways one celled organisms can be motile? (how do they move around?)**

Co- evolution- bozeman 8 min
https://www.youtube.com/watch?v=QDVbt2qQRqs

Cladograms
https://www.youtube.com/watch?v=ouZ9zEkxGWg