

October 30, 2019
MSE 2101 topics

- Materials and energy – quick recap
- The role of water
- DNA (and RNA) – the structure
 - backbone (C)
 - bases: adenine (a), guanine (g), cytosine (c) and thymine (t)
- Genes, chromosomes, the noncoding DNA, genomes
- The genetic code
- DNA replication and heredity
- Mutations: the fat cat ate the rat.
- Extremophiles
 - thermo- and hyperthermophiles
 - psychrophiles
 - endoliths
 - radiodurans
 - endospores
 - eucariotic example: tardigrades