UH) emeinagro fo lyfierevil

BIOLOGICAL SPECIES CONCEPT PROBLEMS?

To be classified as the same species, two organisms must be able to breed together and produce fertile offspring

How can genetic material transferred.

VERTICAL GENE TRANSFER

Transferring genetic material to the next generation (offspring) - e.g., humans

7 HORIZONTAL GENE TRANSFER

Transferring genetic material to another bacteria that already exists (same generation). This way an organism can have mixed genes from different species. Mosaic of genes from different sources. Not only bacteria to bacteria. Bacteria to eukaryotes. Bacteria to Archaea. Example - plasmid transfer

Hybrids are NOT always infertile (see page 2)

Extinct Species.

(By using the fossil record we cannot tell whether organism were able to interbreed to produce fertile offspring). For example; wooly mammoth.

- Organisms made up of DNA from multiple organisms.
- Asexually Reproducing Organisms.



Mother produces egg without mating with male. Egg matures into adult female (example Walking sticks).





tchme.org

PAGE 2



Teach Me





tchme.org