

KEY WORDS AND PHRASES FOR BACTERIAL PLASMIDS AND TRANSPOSONS CONCEPT MAP

1. A process in which an organism transfers genetic material to another cell that is not its offspring
2. Can provide a selective advantage under certain environmental conditions
3. Codes for the synthesis of a few proteins not coded for by the nucleoid
4. Not essential for normal bacterial growth and bacteria may lose or gain them without harm
5. Small, non-chromosomal, circular DNA molecules that replicate independently of the host chromosome
6. Transposons are able to cut themselves out of a bacterial nucleoid or a plasmid and insert themselves into another nucleoid or plasmid and contribute in the transmission of antibiotic resistance among a population of bacteria.
7. Transposons that can carry multiple gene clusters called gene cassettes that move as a unit from one piece of DNA to another