CONCEPT: INTRODUCTION TO CONJUGATON

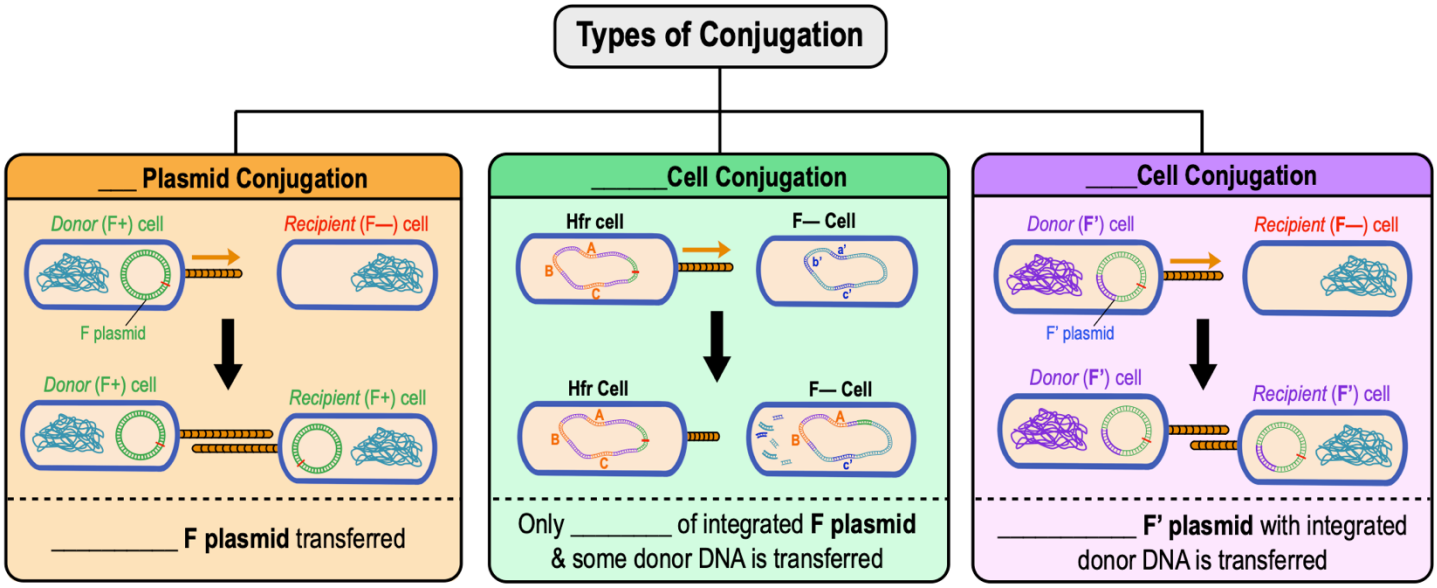
●*Recall:* **Conjugation** is the direct transfer of DNA between two bacterial cells making cell-to-cell _____.

□ Requires a *donor* cell & a *recipient* cell.

□ Can be the transfer of a _____, or part of the *donor* cell's chromosome.

There are _____ main types of conjugation:

1) ____ **Plasmid Conjugation** 2) _____ **Cell Conjugation** 3) ____ **Plasmid Conjugation**



PRACTICE: How is conjugation different from the two other forms of horizontal gene transfer, transformation and transduction?

a) Conjugation directly transfers DNA from donor to recipient cell.

b) Conjugation requires a phage to transfer the DNA between cells.

c) Conjugation requires a donor and a recipient cell.

d) Conjugation allows the recipient cell to take in free DNA from the environment.

e) A and D.

f) B and C.