

STORY TILES: TRANSFORMATION

Below are story tiles depicting transformation in bacterial cells. **CUT OUT** the cards and **REORDER** them in the correct sequence. **FILL IN** the numerical sequence in the left box of each story tile for future reference or **PASTE** onto a new sheet of paper in the correct order.

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The four story tiles are arranged in a row, each enclosed in a dashed border. Each tile has a small empty square box in the top left corner for a number. The tiles depict the following stages of bacterial transformation:

- Tile 1 (Leftmost):** Shows a bacterial cell (orange oval) with a pink plasmid. It is surrounded by several circular DNA molecules (some with colored segments). The cell's boundary is dashed, indicating it is permeable to the DNA.
- Tile 2:** Shows the bacterial cell with the pink plasmid and one of the colored DNA molecules now inside the cell.
- Tile 3:** Shows the bacterial cell with the pink plasmid and the colored DNA molecule integrated into its chromosome.
- Tile 4 (Rightmost):** Shows the bacterial cell with the pink plasmid and the integrated colored DNA molecule. The cell's boundary is solid, indicating it is no longer permeable to the DNA.