



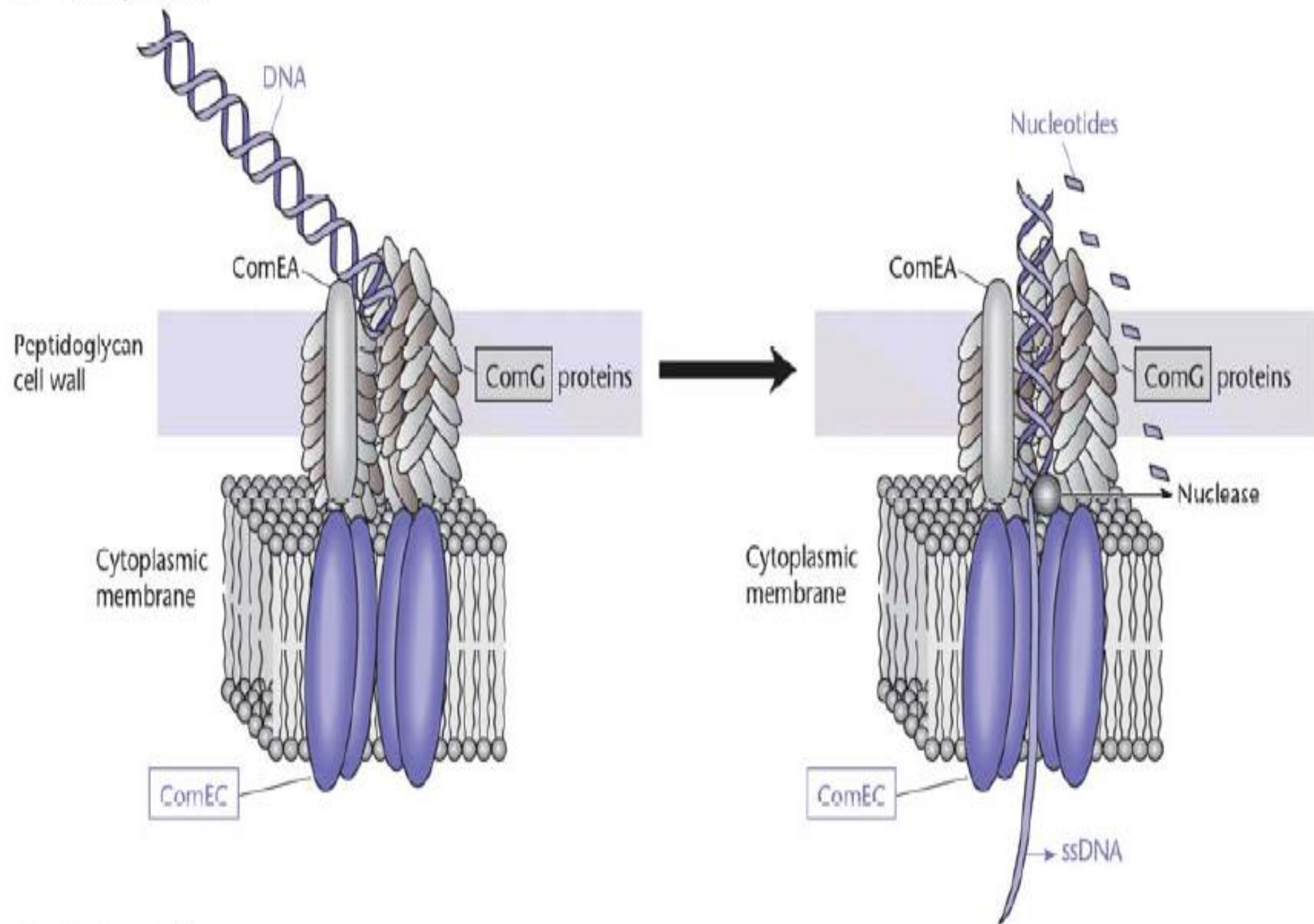
Transformation

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Introduction

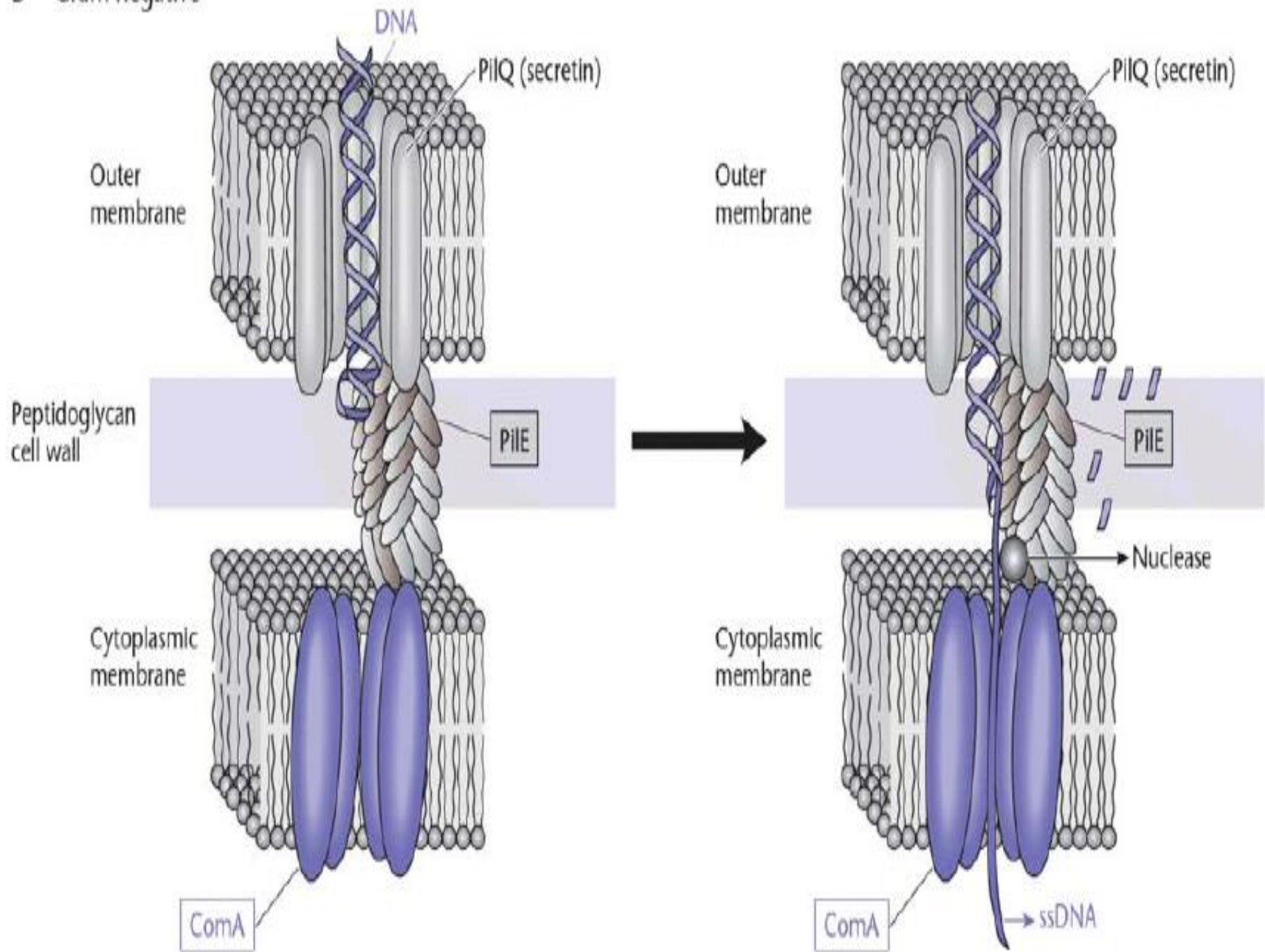
- 12 genes
- Competent cell
 - Natural
 - Disnature (chemical agants)
- Foreign dsDNA

A Gram positive



B Gram negative

B Gram negative



Transformation

- SSBP
- 8.5-12 kb

Uptake sequence

Figure 6.5 The uptake sequences on DNA for some types of bacteria. Only DNA with these sequences is taken up by the bacteria indicated. Only one strand of the DNA is shown.

Haemophilus influenzae 5' AAGTGCGGT 3'

Neisseria gonorrhoeae 5' GCCGTCTGAA 3'

Transformation

- Transfect