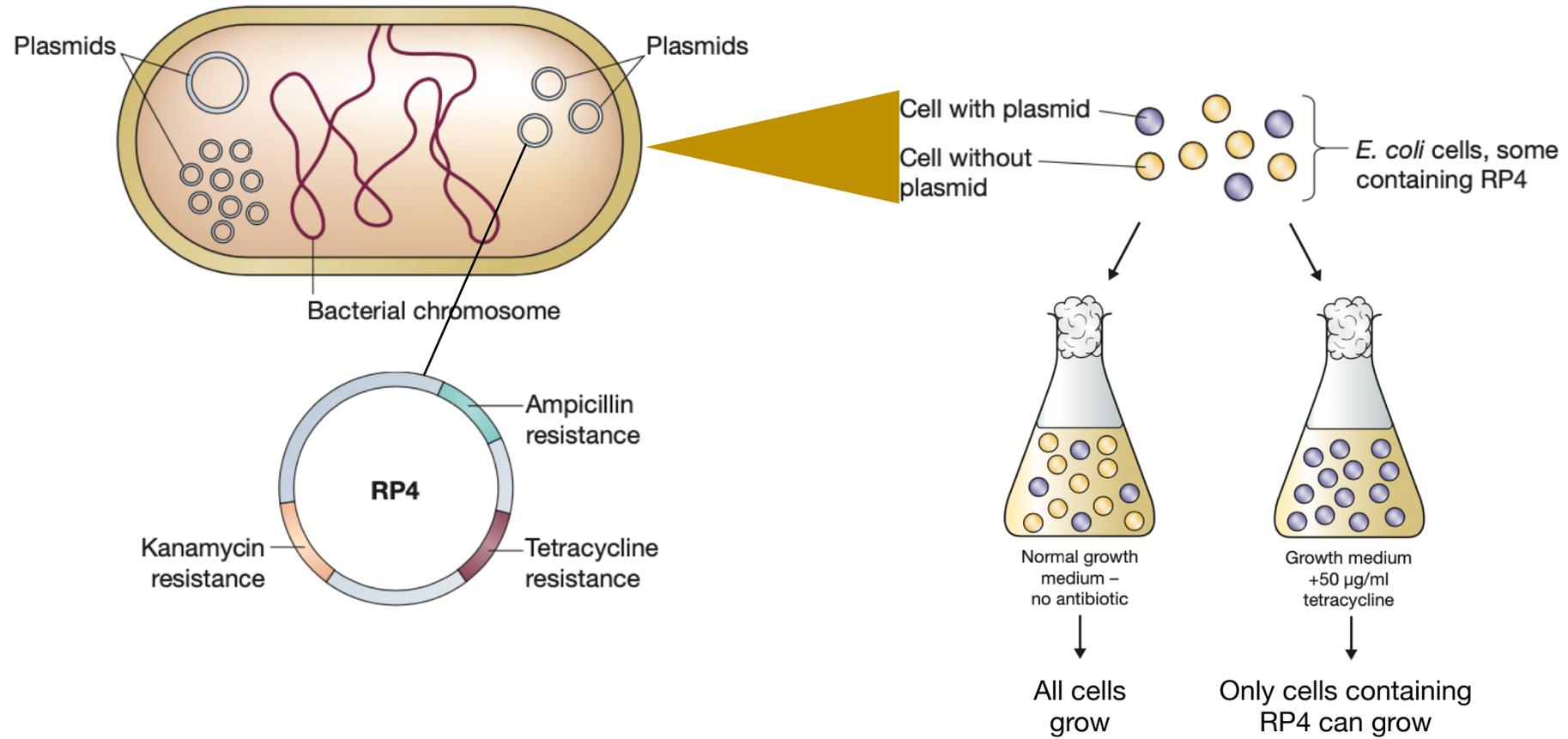
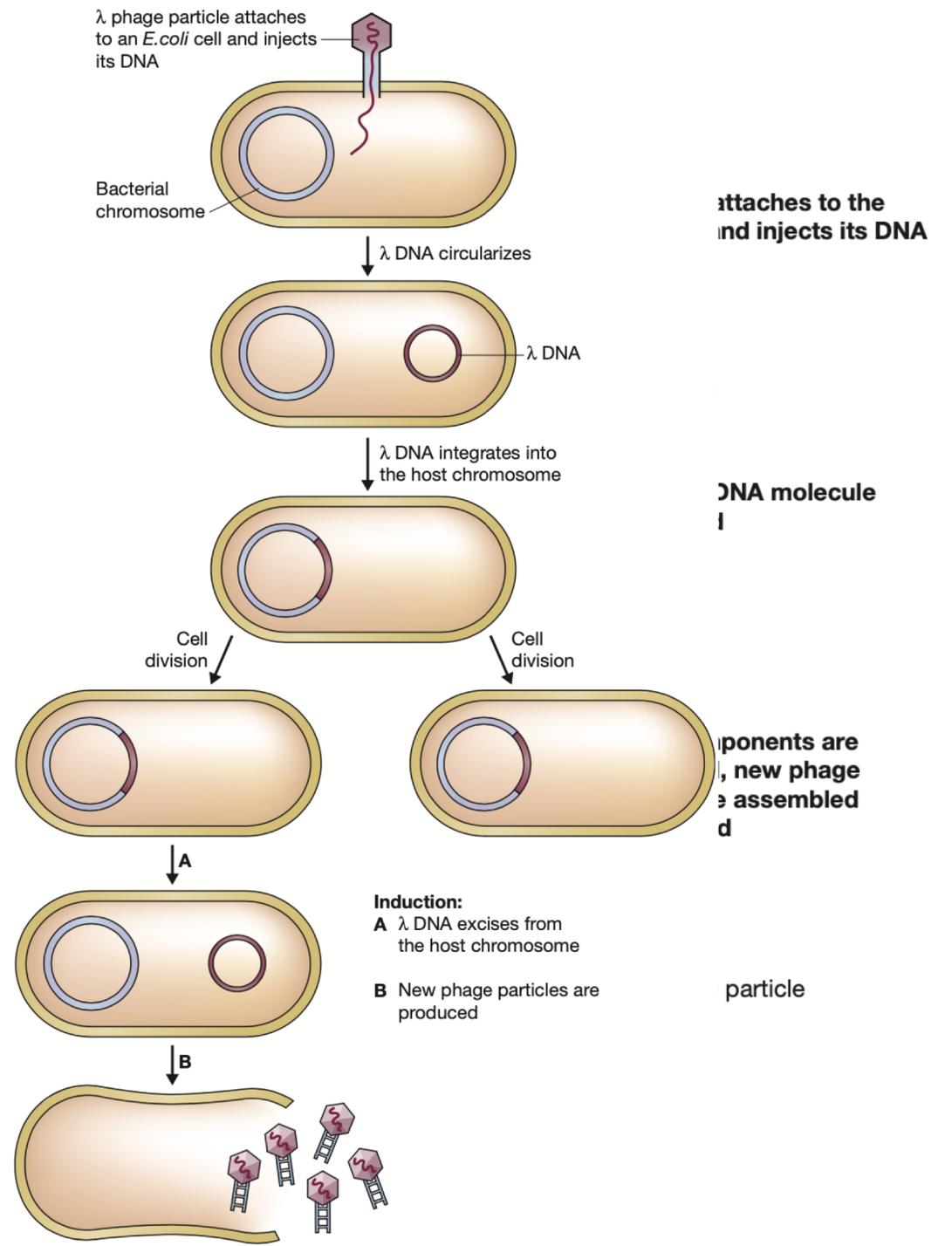
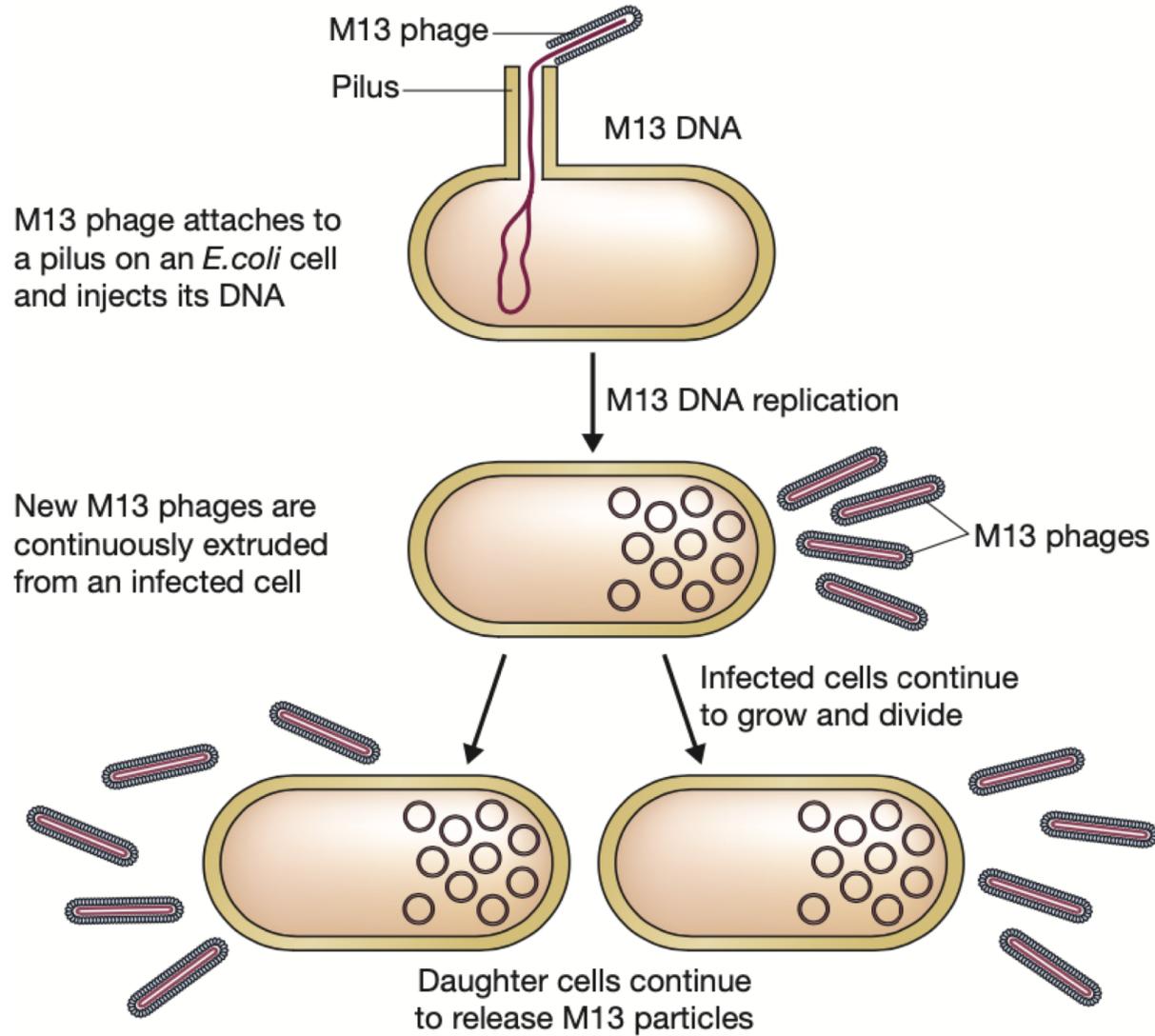


# *GENE CLONING*

*Part I: Vectors for Gene Cloning*

# Plasmids

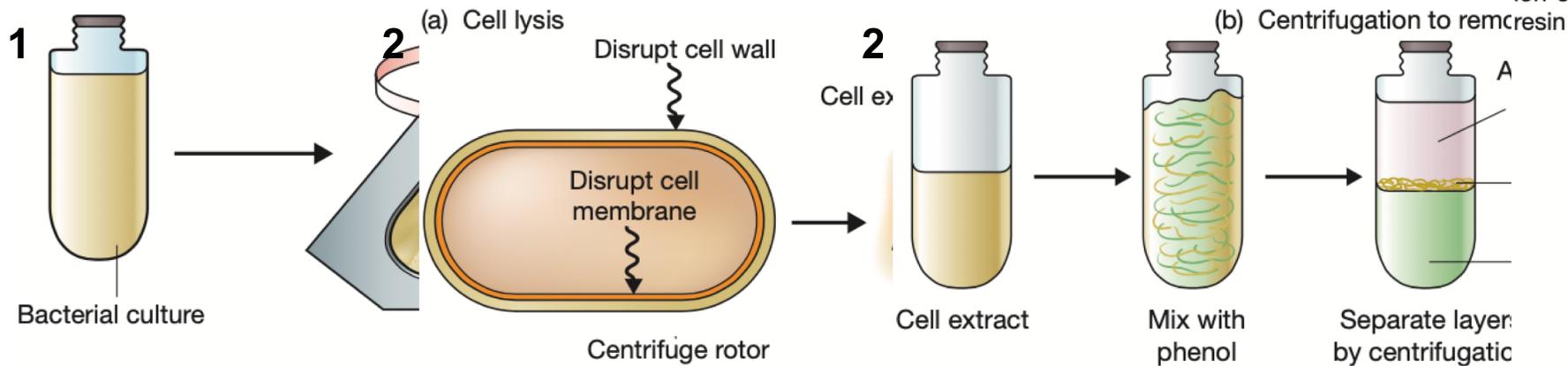
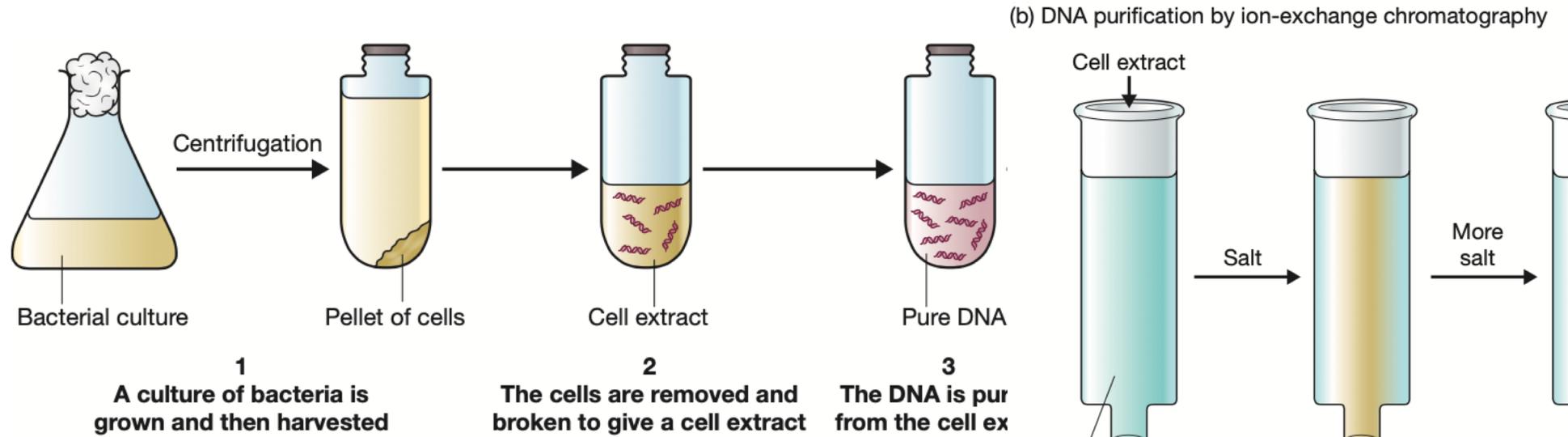




# *Viruses are cloning vectors for other organisms*

- **adenoviruses** are used in **gene therapy**.
- **baculoviruses** are used to synthesize important pharmaceutical proteins in insect cells.
- **caulimoviruses** and **geminiviruses** have been used for cloning in plants.

# Purification of DNA from Living Cells



# Plasmid isolation

