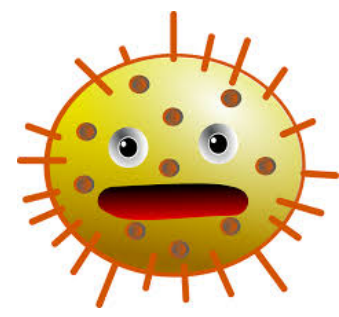
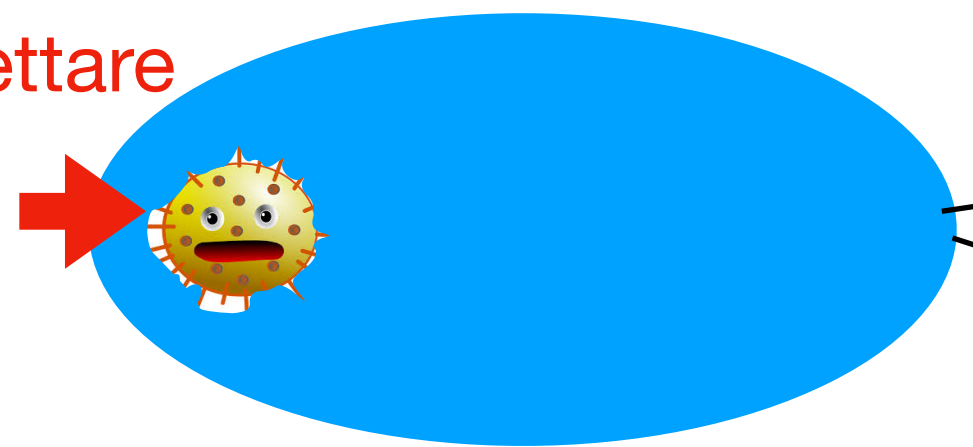


# Vita e non vita : I VIRUS



Per riprodursi

Deve infettare

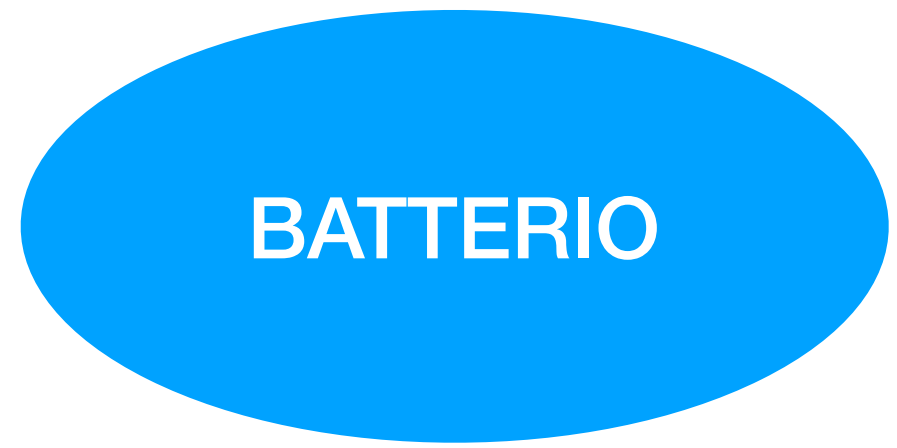


Una CELLULA

SIA



SIA



Si chiamano

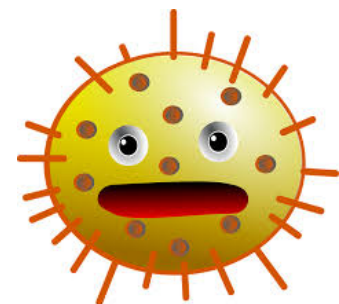
PARASSITI

+

INTRACELLULARI

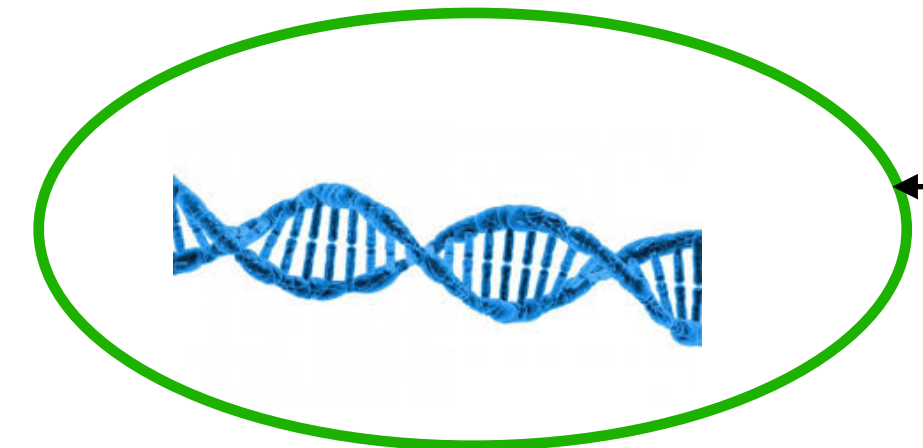
+

OBBLIGATI



VIRUS

È formato da



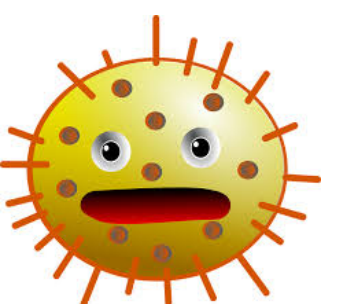
MATERIALE GENETICO

es. DNA

Protetto da un  
**RIVESTIMENTO PROTEICO**  
**CAPSIDE**



È fatta in basa al

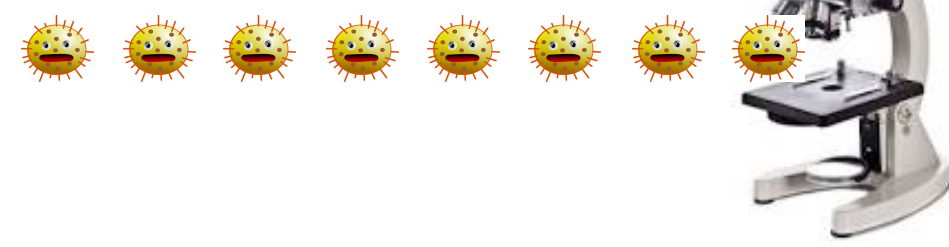


VIRUS

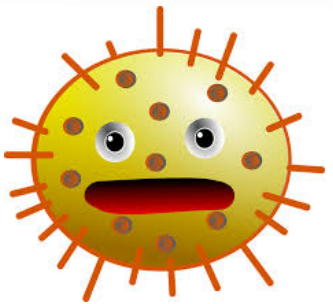
Sono

PICCOLISSIMI

Osservabili solo al **MICROSCOPIO ELETTRONICO**

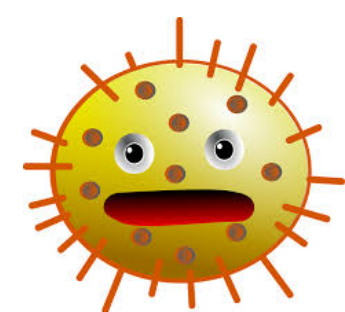


CLASSIFICAZIONE



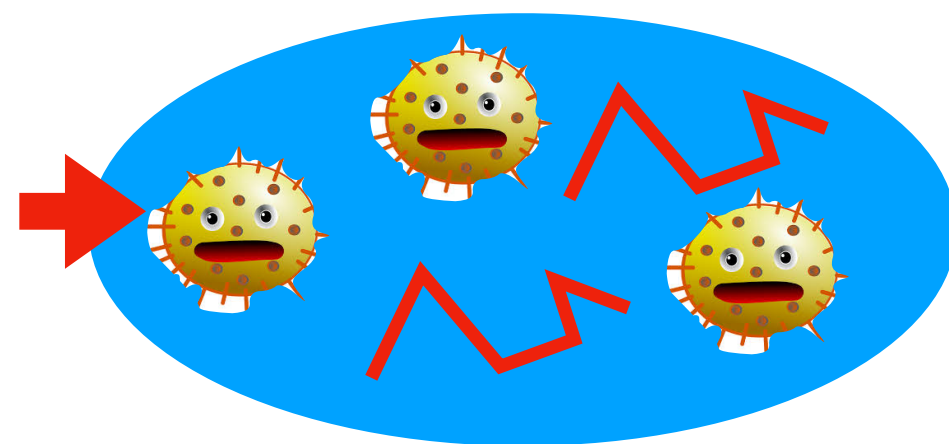
VIRUS

# VIRUS E MALATTIE



VIRUS

Sono



PARASSITI + PATOGENI

causano

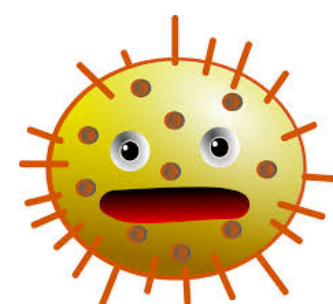
MALATTIE  
COMUNI

MALATTIE  
GRAVI



ANTIBIOTICI

Contro



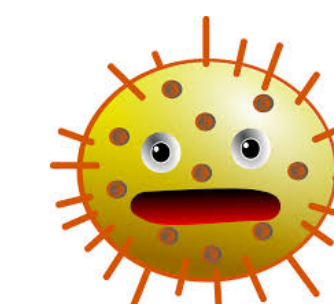
VIRUS

Non sono EFFICACI



ANTIVIRALI

Contro



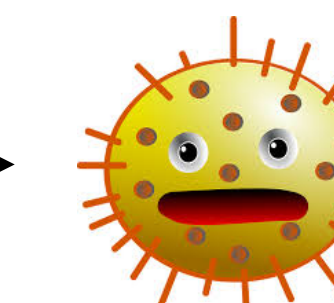
VIRUS

sono EFFICACI



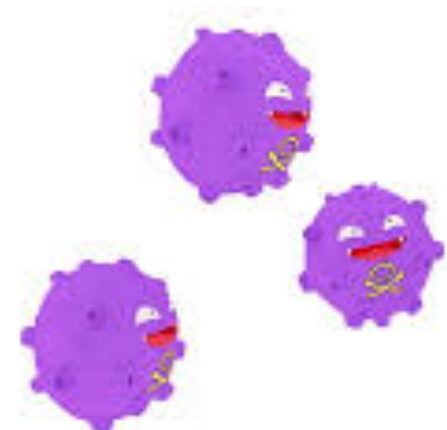
VACCINI

Contro



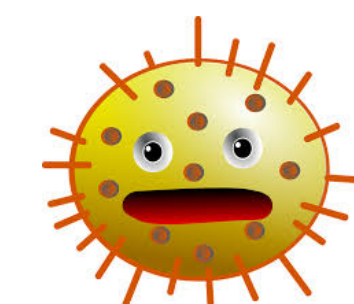
VIRUS

sono EFFICACI



ANTICORPI

Contro

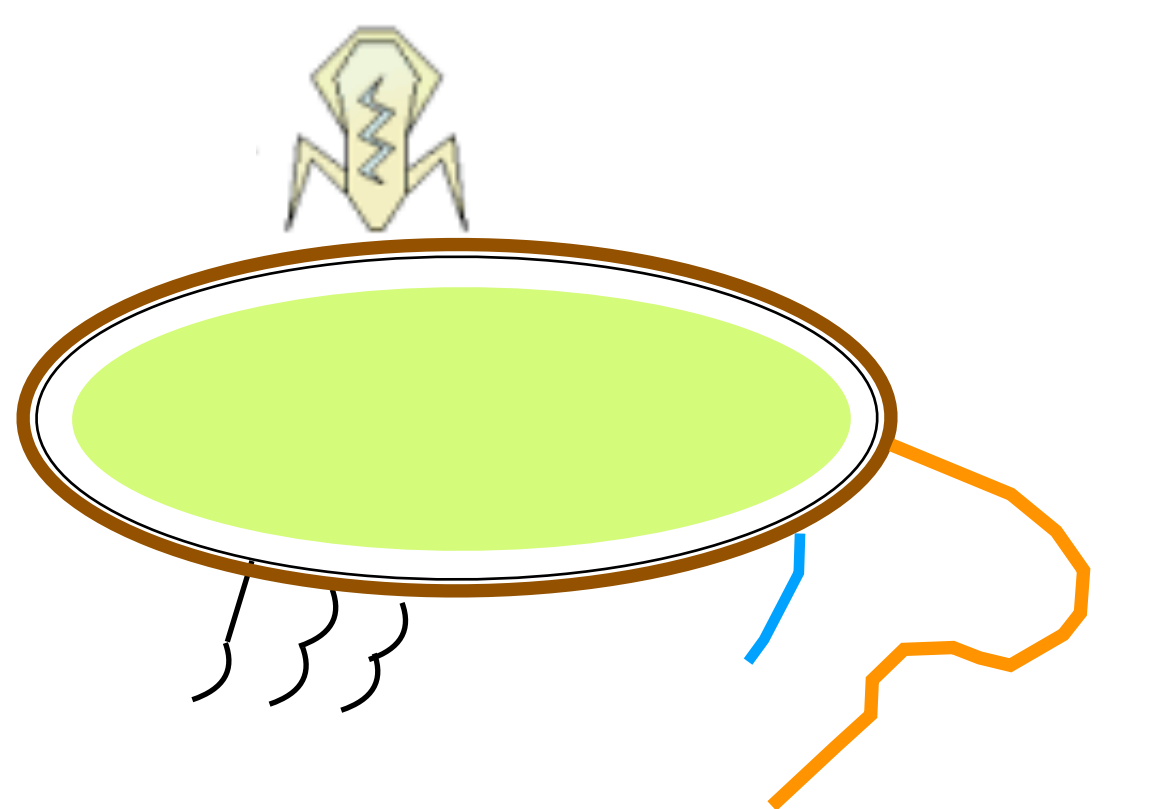
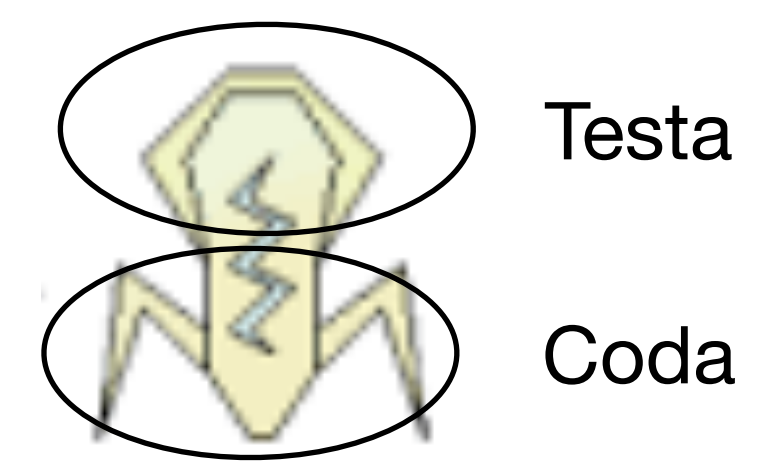
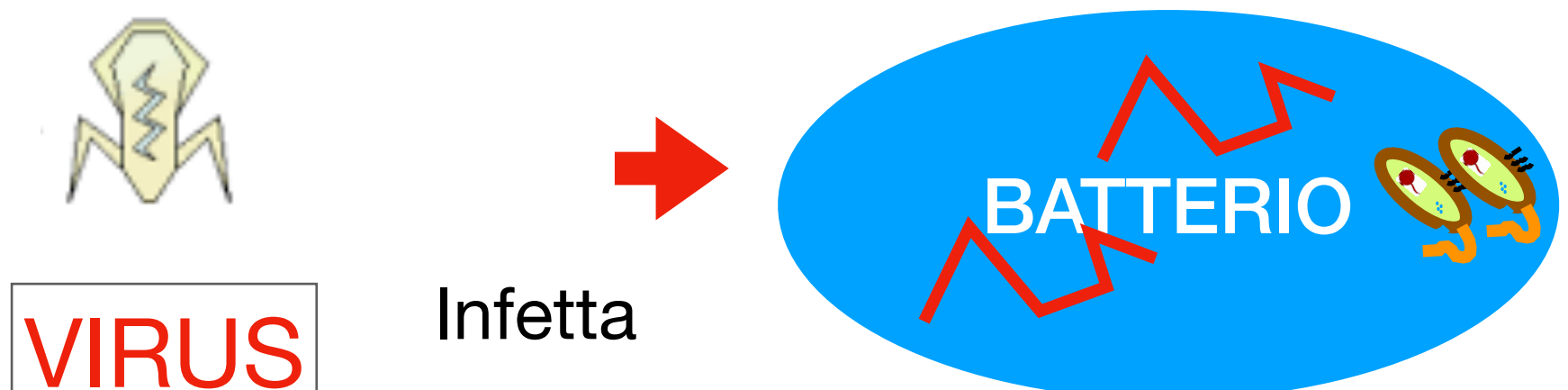


VIRUS

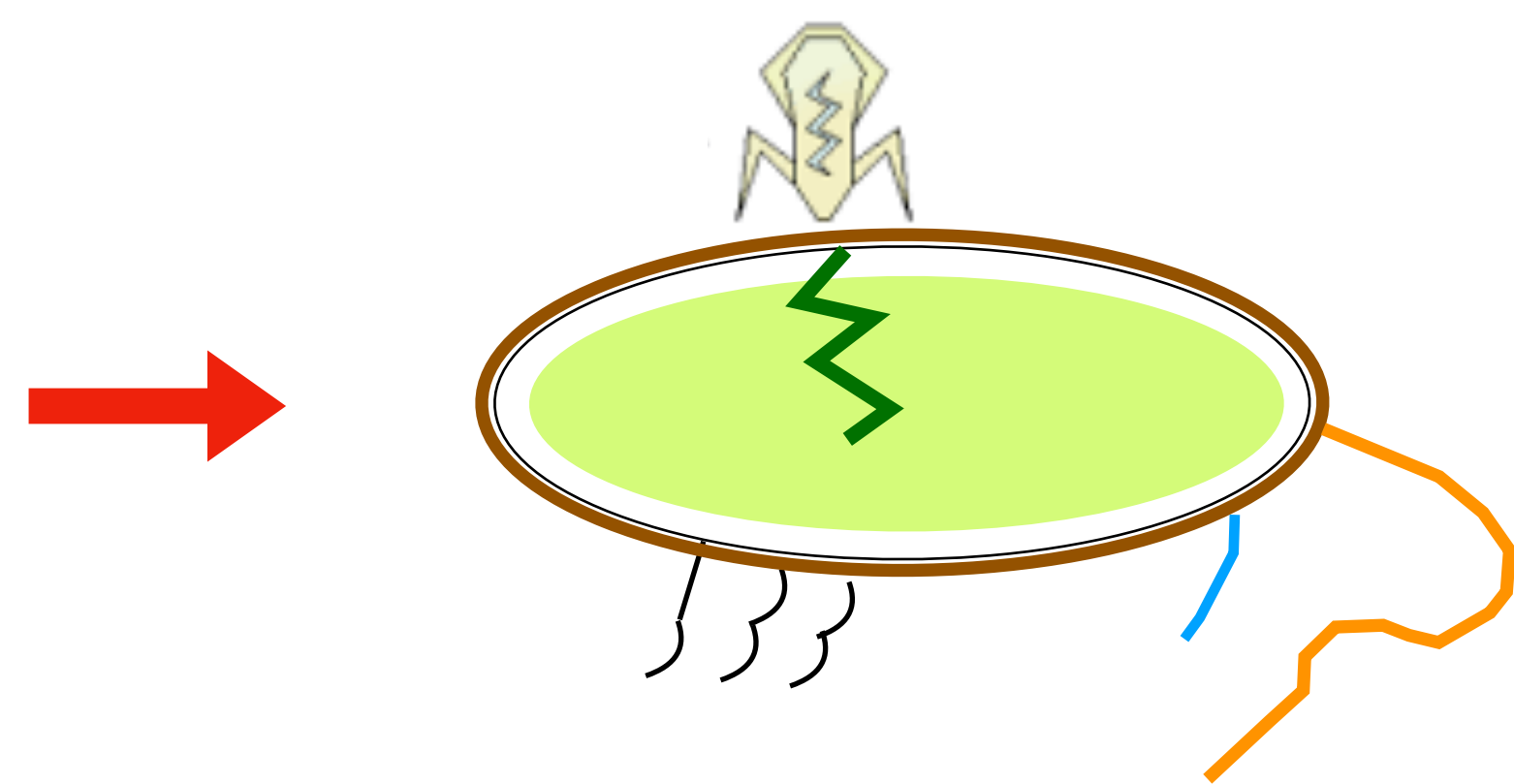
Prodotti dall'organismo  
sono EFFICACI

# CICLO DI VITA DI UN BATTERIOFAGO

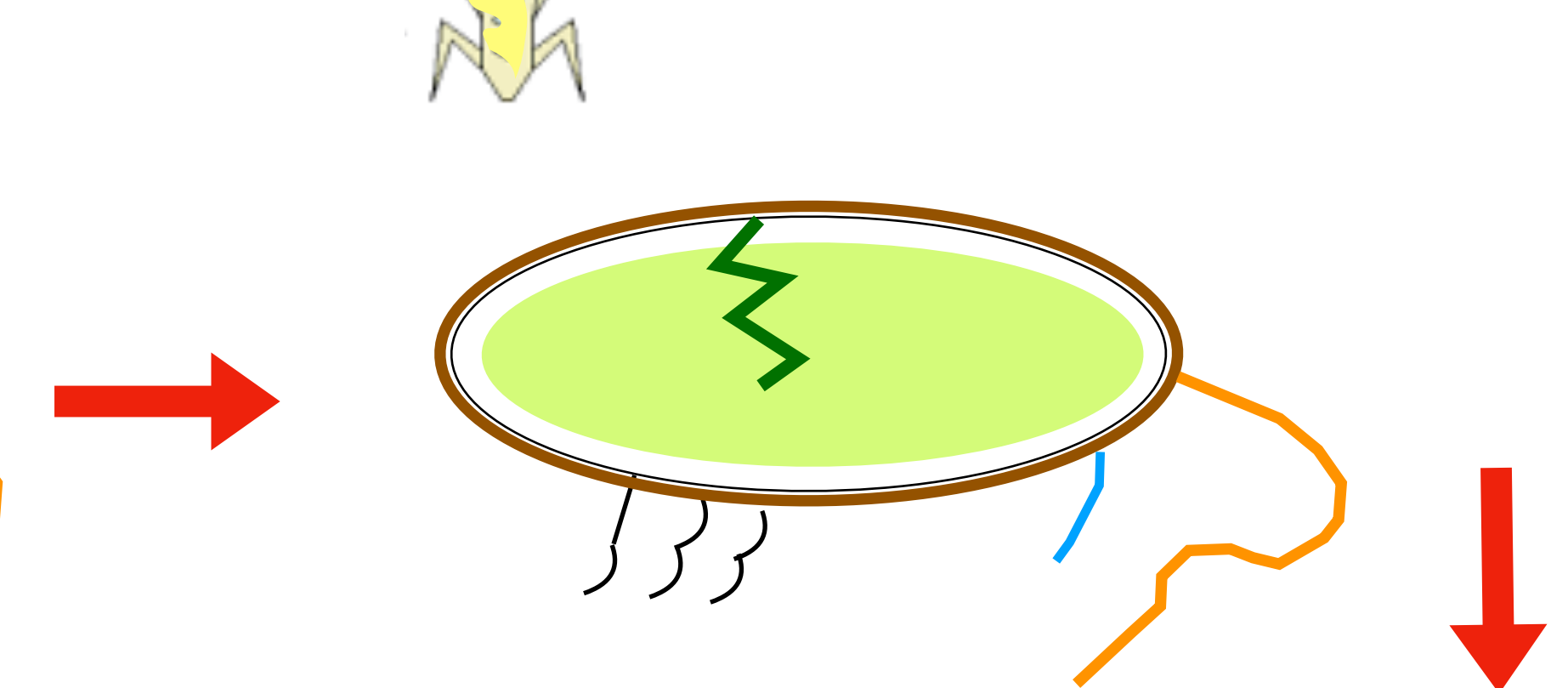
## BATTERIOFAGO



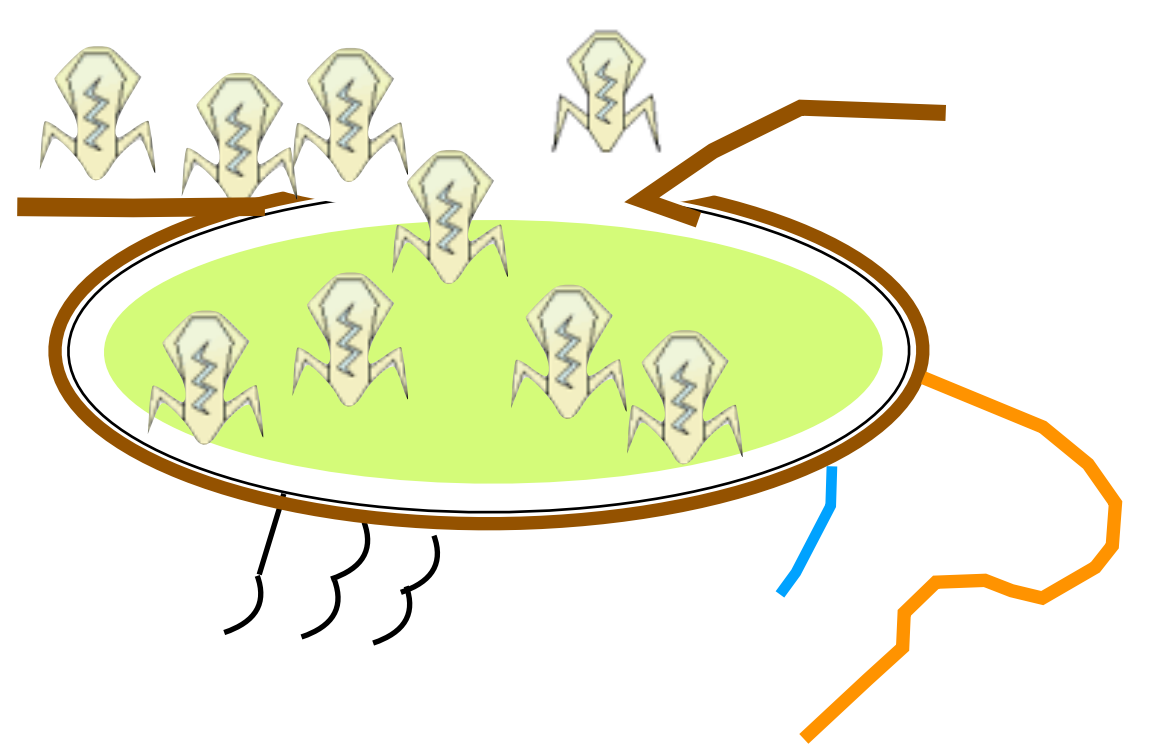
Con la CODA aderisce al BATTERIO



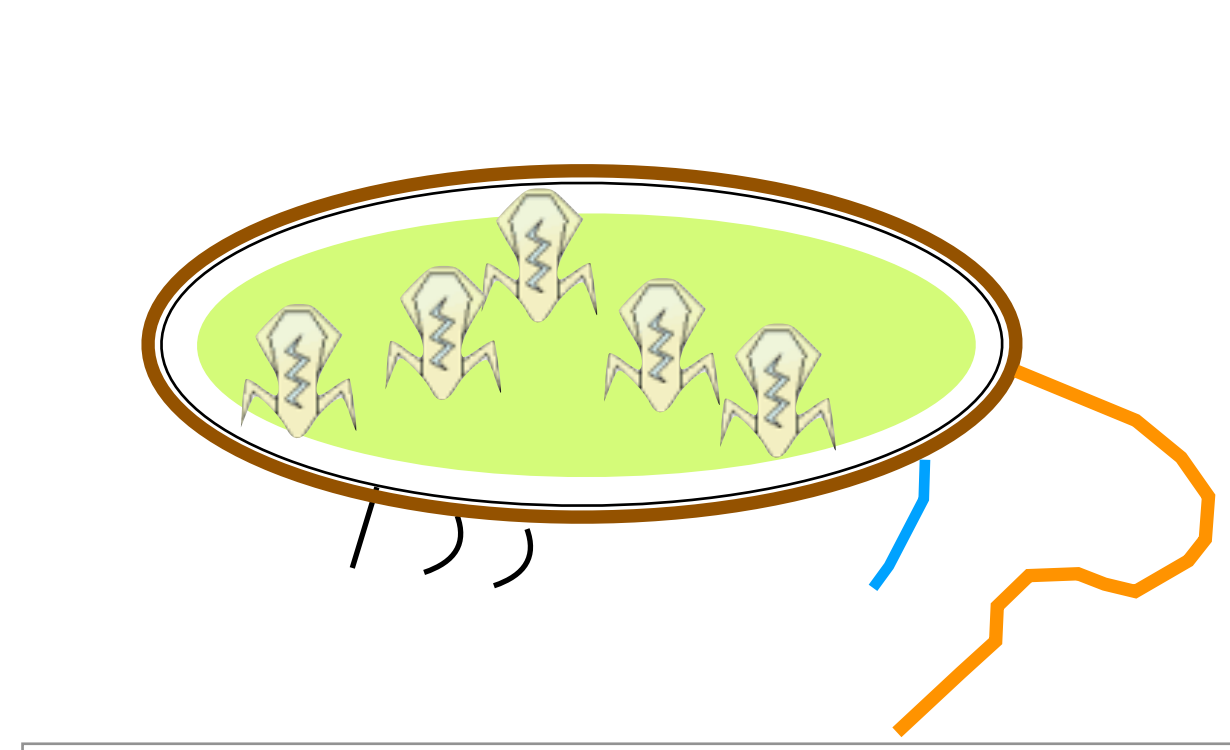
Inietta nella cellula BATTERICA il proprio DNA



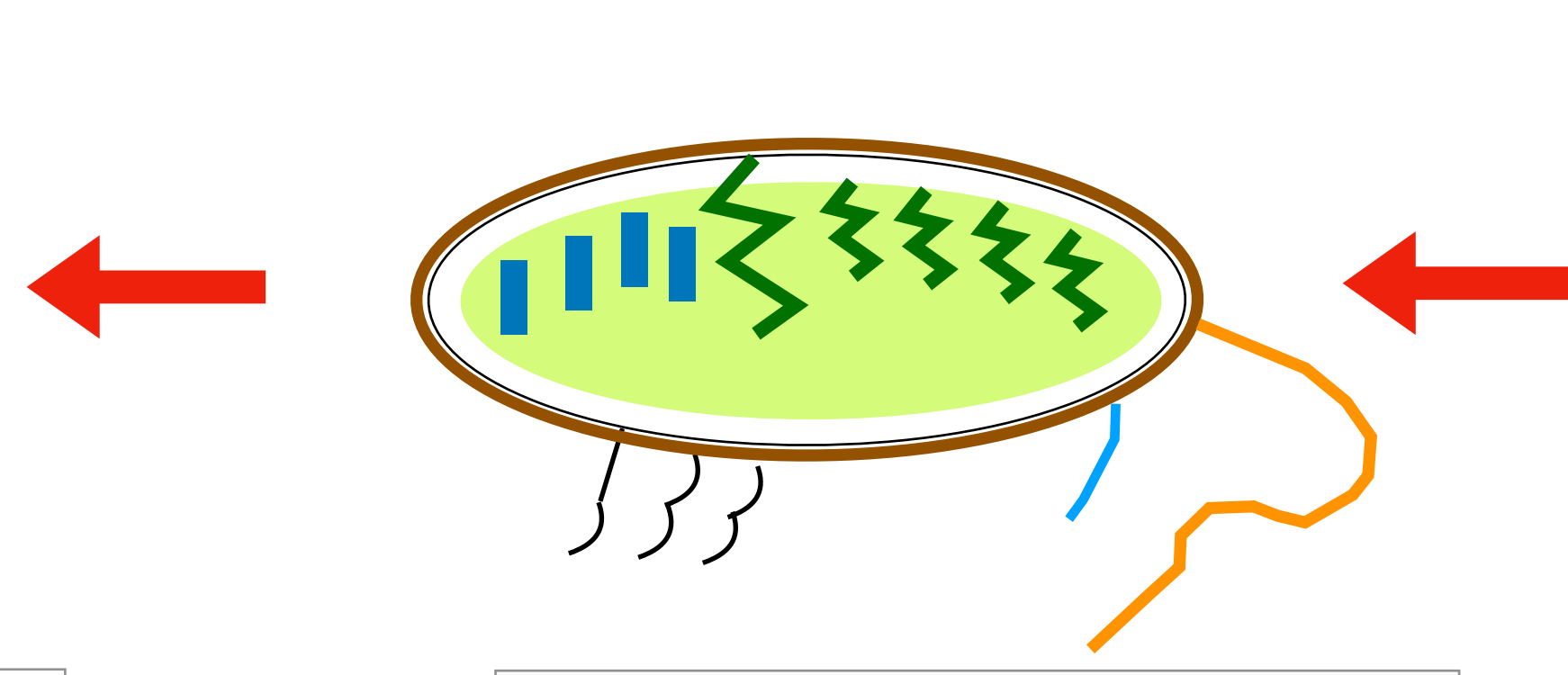
Si sgancia dalla SUPERFICIE DELLA CELLULA



La parete si LACERA e libera 100-200 nuovi FAGO

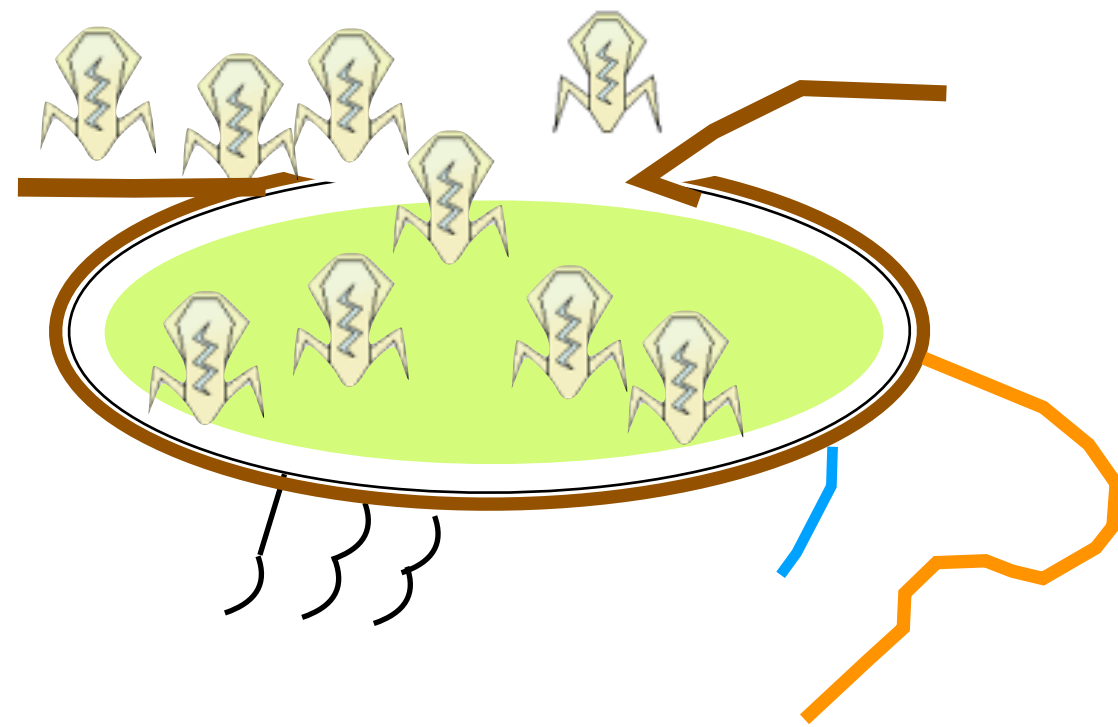


I FLAGGI maturi e completi si assemblano

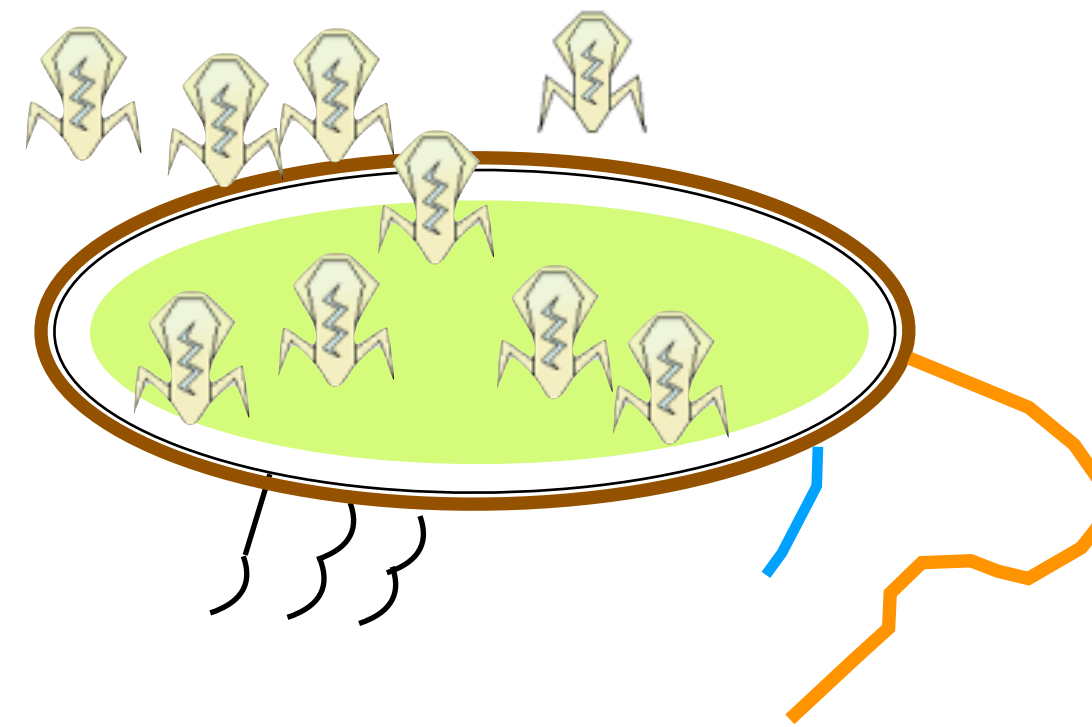


Il DNA PRODUCE proteine e DNA

# CICLO DI VITA DI UN BATTERIOFAGO



Questo avviene dopo 30 MINUTI



CI SONO VIRUS che escono senza distruggere la PARETE CELLULARE