

B.Sc. (Hons) Microbiology
Ist Year, Semester- II

Paper: GE201-Bacteriology and Virology
Dr. Shalini Swami
2017-2018

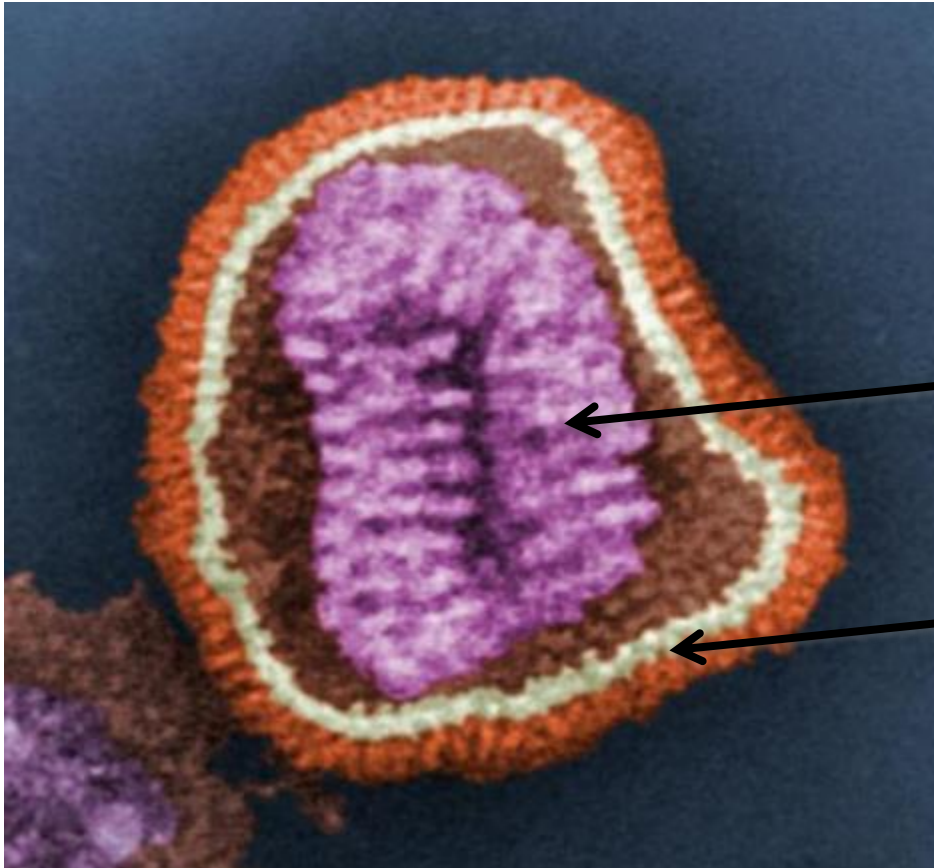
Viruses

What is a virus?

'Infectious particle'

Genetic material

Protein coat



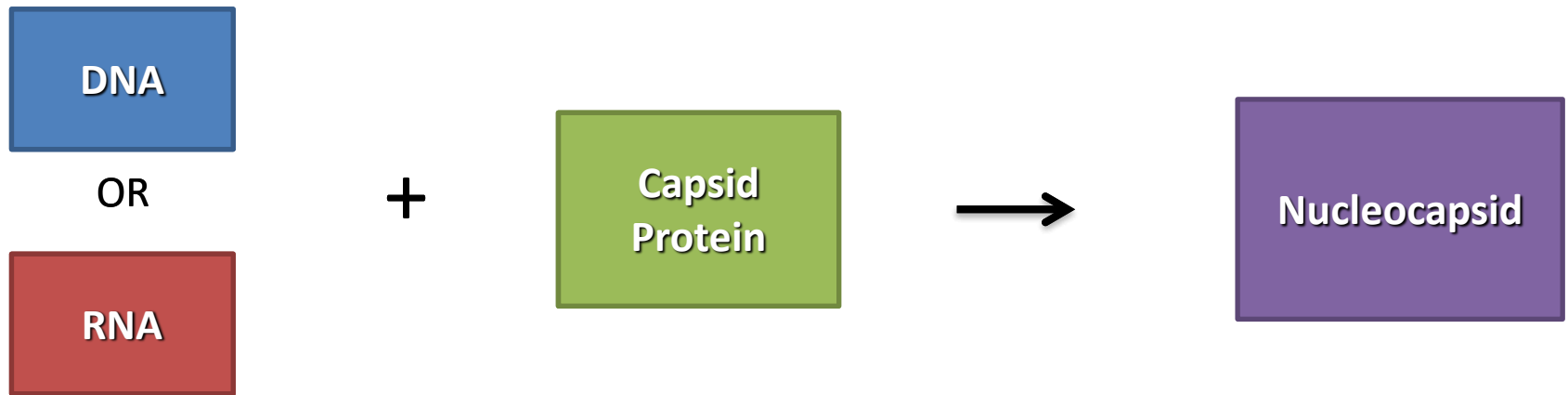
Properties of a virus

- A virus is a very small, infectious, obligate intracellular parasite
- Virus particles are **not** living
- Viruses are chemicals, and by themselves cannot reproduce
- A susceptible and permissive cellular host is needed for viruses to reproduce
- All viruses must make mRNA that can be translated by host ribosomes

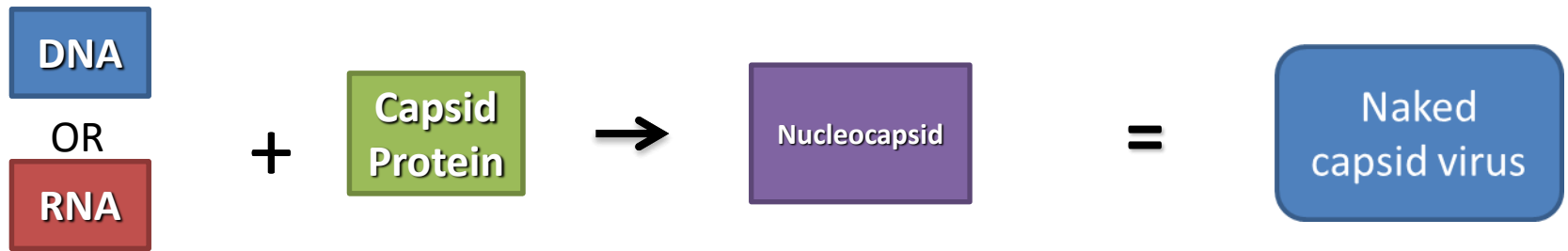
Basic virus structure



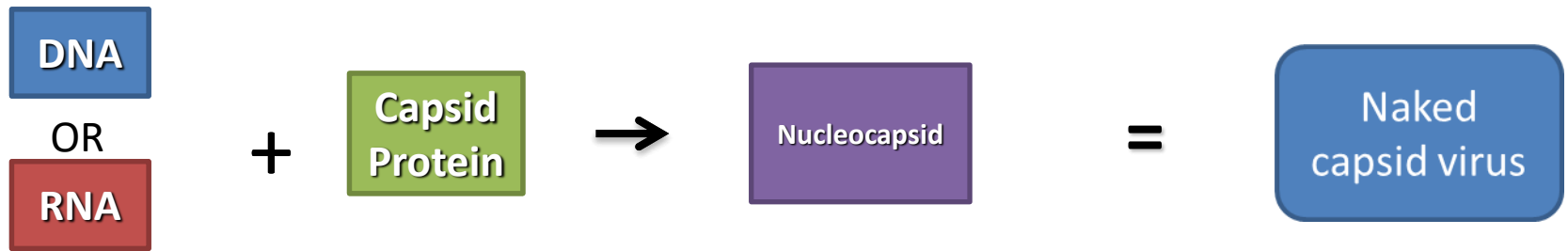
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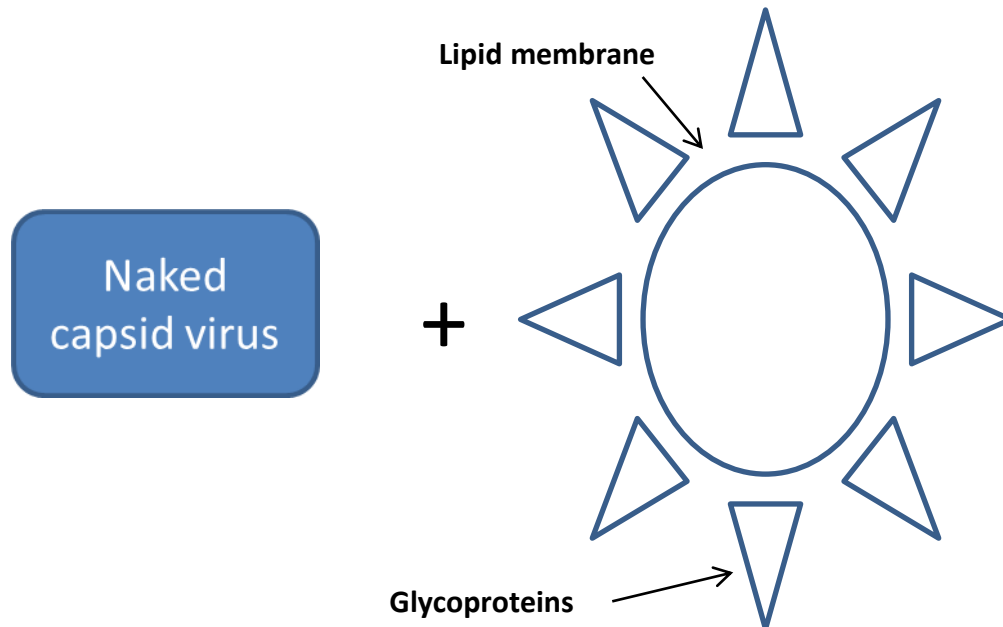
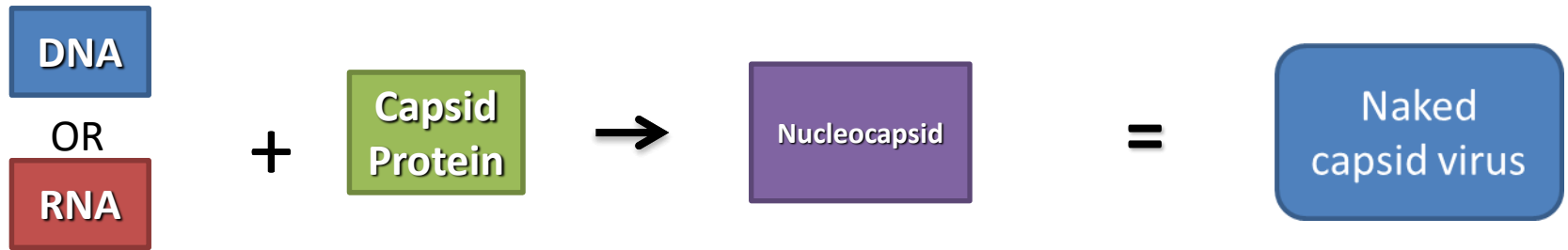
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