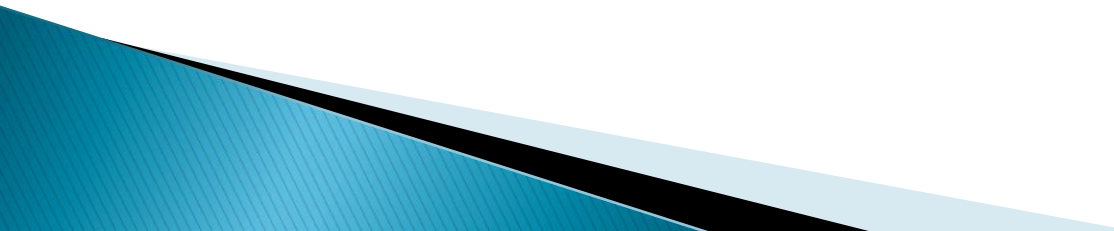


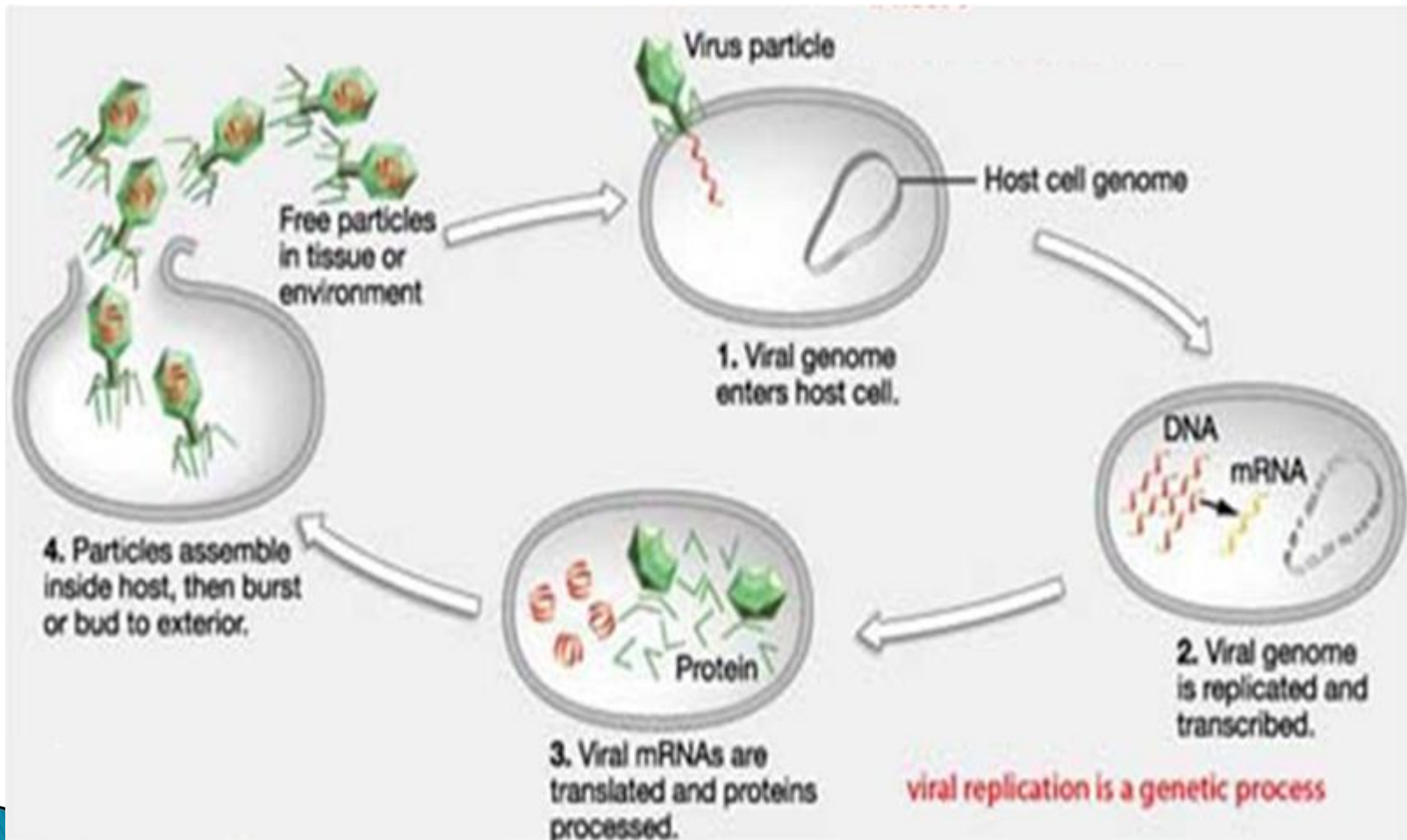
Out lines

- ▶ 1 – cell.
 - ▶ 2 – DNA and RNA.
 - ▶ 3 – Chromosome.
 - ▶ 4 – Gel electrophoresis.
- 

cell

	Prokaryote	Eukaryote
Name	Pro = before karyote = nucleus	Eu = true karyote = nucleus
Relative size	very small	large
True Nucleus present	No	Yes
Organelles Present	NO	Yes
DNA structure	loose	packed into chromosomes
Examples	Bacteria	Plants, animals, protists

Viruse



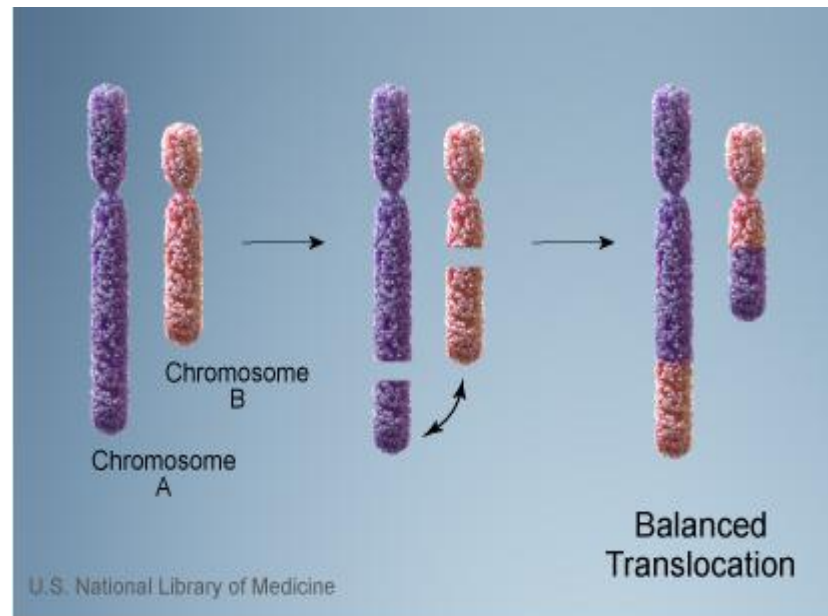
DNA-RNA

DNA	RNA
DeoxyriboNucleicAcid , double- stranded	RiboNucleicAcid , single-stranded molecule
Found in nucleus	Found in nucleus and cytoplasm
four different bases: adenine, guanine, cytosine and thymine	four different bases: adenine, guanine, cytosine, and uracil
storage and transmission of genetic information	transfer the genetic code need for the creation of proteins

Chromosome

- ▶ 1–Numerical.
- ▶ 2– structural.(Translocation)

Chromosome



Gel electrophoresis

- ▶ Agarose gel .
- ▶ Acraldehyde gel.

