

Name _____

Date ____ / ____ / ____

VIRUSES - BIOLOGY AND STRUCTURE

Provide the missing terms in the blanks below using the words listed below.

Cells	Antibodies	AIDS	Interferon
Measles	Mumps	Protein	Reproduction
weakened	Vaccines		

1. Viruses are made up of nucleic acids encapsulated by a coat of protein.
2. Viruses, unlike bacteria, are not composed of cells.
3. The only function required for life that viruses can perform is reproduction.
4. These can produce protection against some viral diseases: vaccines.
5. Name three viral diseases: AIDS, mumps and measles.
6. A weakened form of the virus can be used to make a vaccine.
7. The body uses Interferon and Antibodies as two natural defenses against viruses.

Three different types of viruses are diagrammed below. For the polyhedral and rod-shaped viruses, label the nucleic acid and protein coat. For the bacteriophage, label the capsid, collar, tail sheath, tail fiber and base plate.

