

### Viruses: Structure, Spread and Replication

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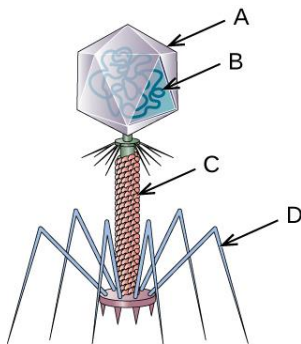
1. The Basics of a Virus – “What is a Virus? What is a Viral Infection?” Article from:

<http://www.medicalnewstoday.com/articles/158179.php>

a) What is the definition of a virus? (Do not write something you don't understand! “Precipitated” and “crystallized” are terms often used by Google- but if it doesn't make sense to you, what is the point?)

b) Where does this term come from?

c) The diagram on the below illustrates one type of virus (bacteriophage). State the three general components of a virus and describe their function. Label them on the diagram on the right.



d) How can and do viruses spread (list four ways)? <https://microbiologyonline.org/about-microbiology/microbes-and-the-human-body/routes-of-transmission>

2. Characteristics of a Virus – “What are the Essential Characteristics of Viruses?” Article from: <http://www.preservearticles.com/201101092882/characteristics-of-viruses.html>

a) List three non-living characteristics of a virus.

b) List four living characteristics of a virus.

**Evaluate** the following two viral *replication* cycles. What is different between the **lytic** and **lysogenic** cycle?

