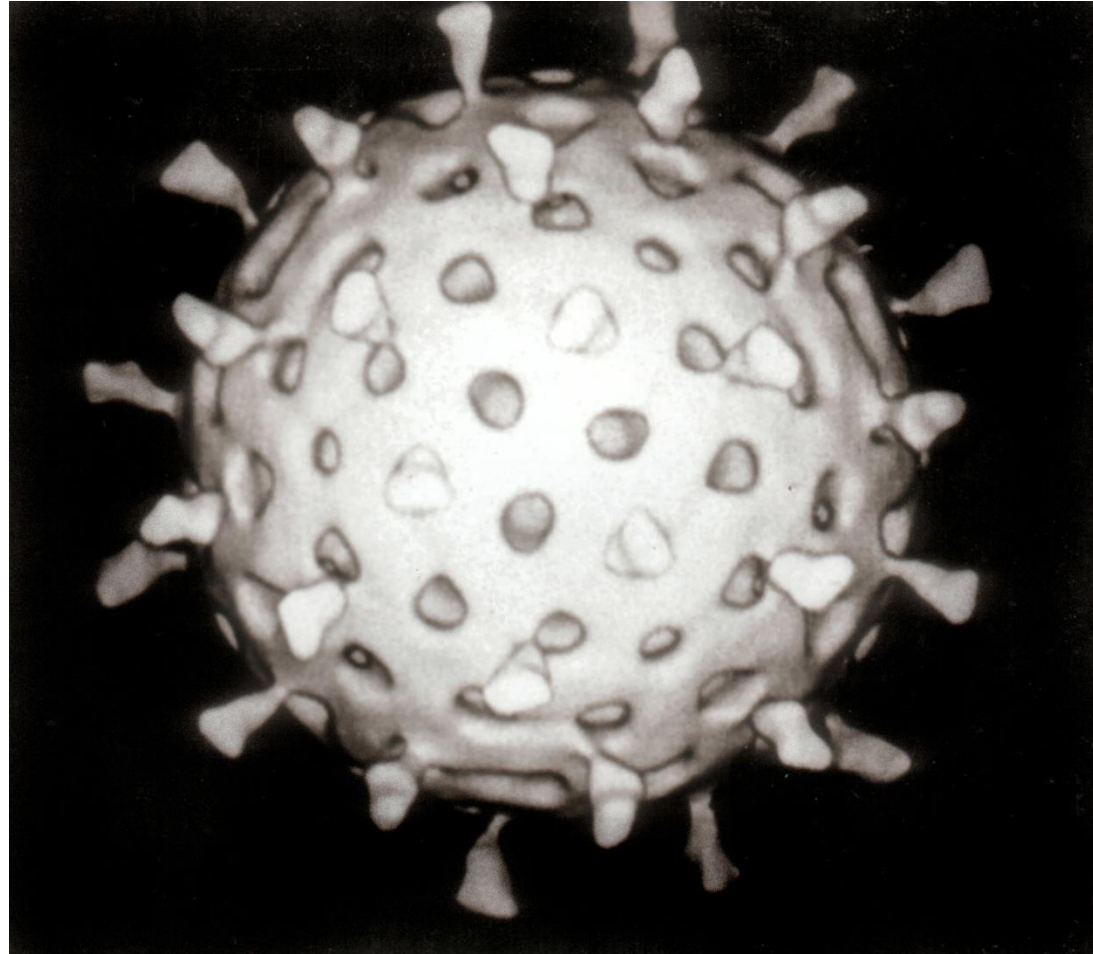


Levels of Organization Specialization

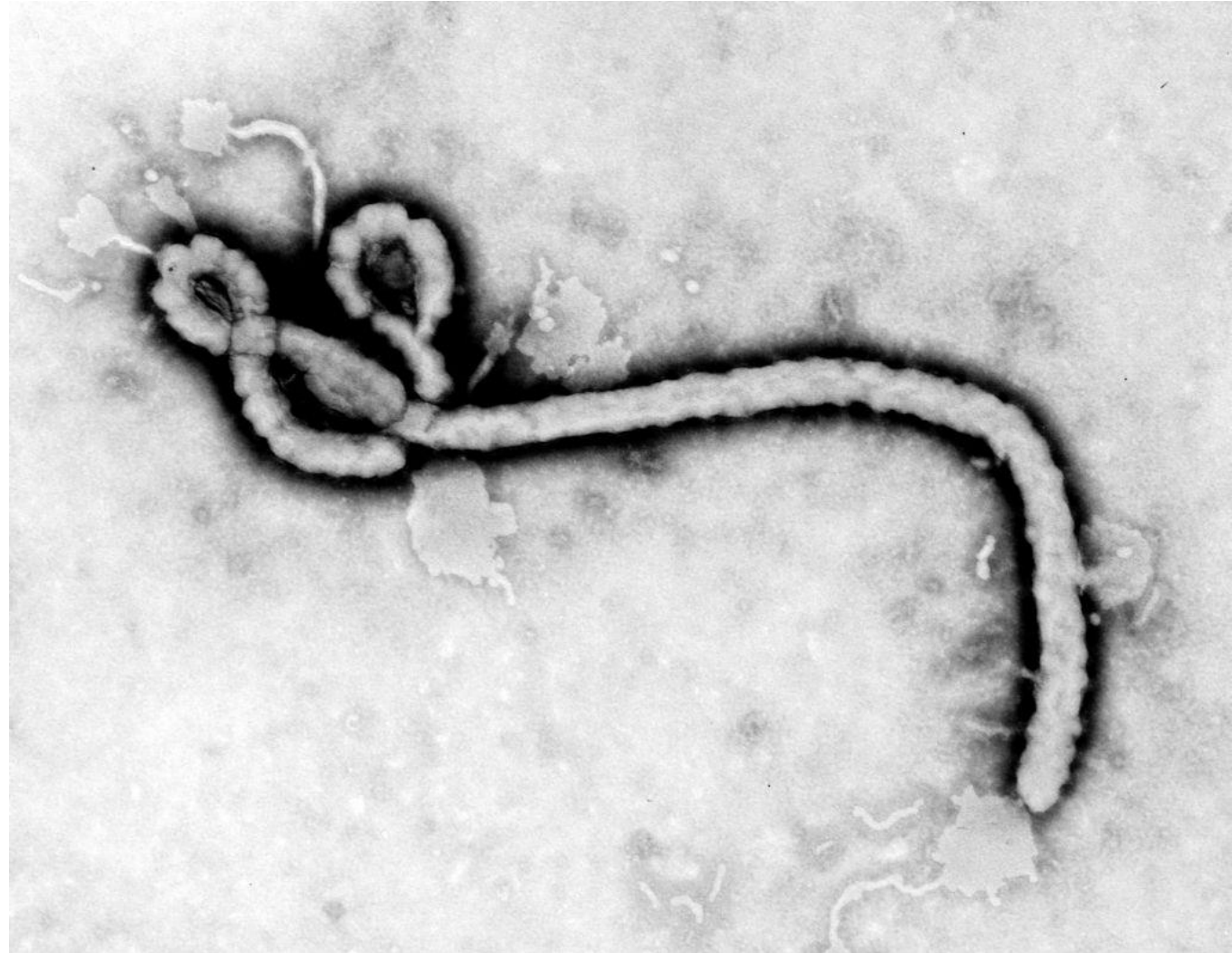
What is a virus

C-notes



What is a virus

C-notes



What is a virus

- A **virus** (from the Latin *virus* meaning toxin or poison) is a microscopic organism consisting of genetic material (RNA or DNA) surrounded by a protein, lipid (fat), or glycoprotein coat. Viruses are unique because they cannot reproduce without a host cell.

C-notes

Levels of Organization of a Multicellular Organism

- 1 Cell – basic unit of life**
- 2 Tissue – groups of the same type of specialized cells working together do a job**
- 3 Organ – group of different tissues working together to do a job**

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Levels of Organization of a Multicellular Organism

4 Organ System - a group of different organs working together to do a job

5 Organism – group of organ systems working together

C-notes

Levels of Organization of a Multicellular Organism

In a multicellular organism the individual cells **CANNOT** survive on their own.

Why? The cells are **SPECIALIZED** which means that they have a special **JOB** and can only do that job

C-notes

Levels of Organization of a Multicellular Organism

The specialized cells are **ORGANIZED** so that they can work together as a **TEAM** to get all the **NEEDS** of the cells (and the whole organism)