**Independent work of a student-1**

Cell structure of prokaryotes and eukaryotes.

Cellular theory.

Viruses are a non-cellular form of life.

History of cytology.

Methods of cytological studies.

Cellular theory.

Cell organelles (review).

Cell wall: structure, purpose, biology (review). Plant

cell wall.

The cell wall of fungi.

The cell wall of bacteria.

Intercellular spaces.

The cell membrane.