

## Complete boxes with the correct label

1. The gel like fluid inside the cell membrane where the reactions of metabolism occur.

2. A rigid non-cellulose structure that surrounds cells of bacteria

3. A dense region of DNA in a prokaryotic cell .

4. Organelles made of protein and RNA that direct protein synthesis .

## Multiple Choice Questions

1. A single-celled organism without a nucleus or membrane-bound organelles.

- a.  Pili
- b.  Ribosomes
- c.  Flagella
- d.  Prokaryote

- b) The basic structural and functional unit of all organisms.

- a.  Flagella
- b.  Cell
- c.  Cell wall
- d.  Pili

- c) Long, thin, whip-like structures, made from the protein 'flagellin', that enable movement.

- a.  Flagella
- b.  Cell wall
- c.  Nucleoid
- d.  Cell

## True/False Questions

1. Pili → Hair-like protein structures, that allow bacteria to attach to things.

True       False

2. Plasma membrane → A phospholipid bilayer that surrounds the cell

True       False

3. Escherichia coli (E. coli) → A rigid non-cellulose structure that surrounds cells of bacteria

True       False