

(Animal and plant cells (structure and function))

Q1.a)(2019)

controls the (activities of the)
cell

Q1.b)(2019)

cell shape is similar to cell in
Figure 12 and nucleus present

any **two** features correctly
identified and labelled:

- nucleus
- (cell) membrane
- cytoplasm
- mitochondria / mitochondrion
- ribosome(s)

Q2.(2019)

any **one** from:

- (cellulose cell) wall
- chloroplast
- (permanent) vacuole

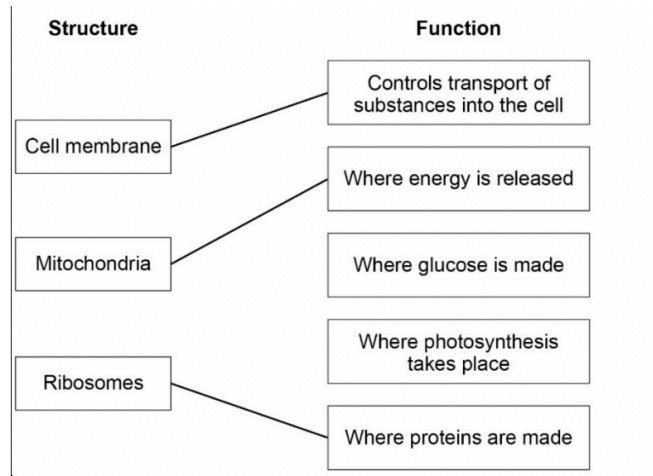
Q3.a)(2020)

to strengthen the cell

Q3.b)(2020)

chloroplast

Q4.(2020)



Q5.2021)

Differences:

- red blood cell has no nucleus **or** plant cell has a nucleus
- red blood cell has no cell wall **or** plant cell has a cell wall
- red blood cell is a biconcave disc **or** there are many different shapes of plant cell
- red blood cell contains haemoglobin **or** plant cells do not contain haemoglobin
- red blood cells do not contain chlorophyll **or** plant cells (may) contain chlorophyll
- red blood cell has no chloroplasts **or** plant cell has chloroplasts
- red blood cell has no (permanent) vacuole **or** plant cell has (permanent) vacuole
- red blood cells are (much) smaller than plant cells

Similarities:

both have:

- cytoplasm
- cell membrane
- pigments (although they are different)

ignore references to mitochondria and ribosomes

Q6.(2022)

nucleus

(site of aerobic) respiration

(cell) membrane

Q7.(2022)

photosynthesis

Q8.(2022)

root (hair)

Q9.(2024)

mitochondria