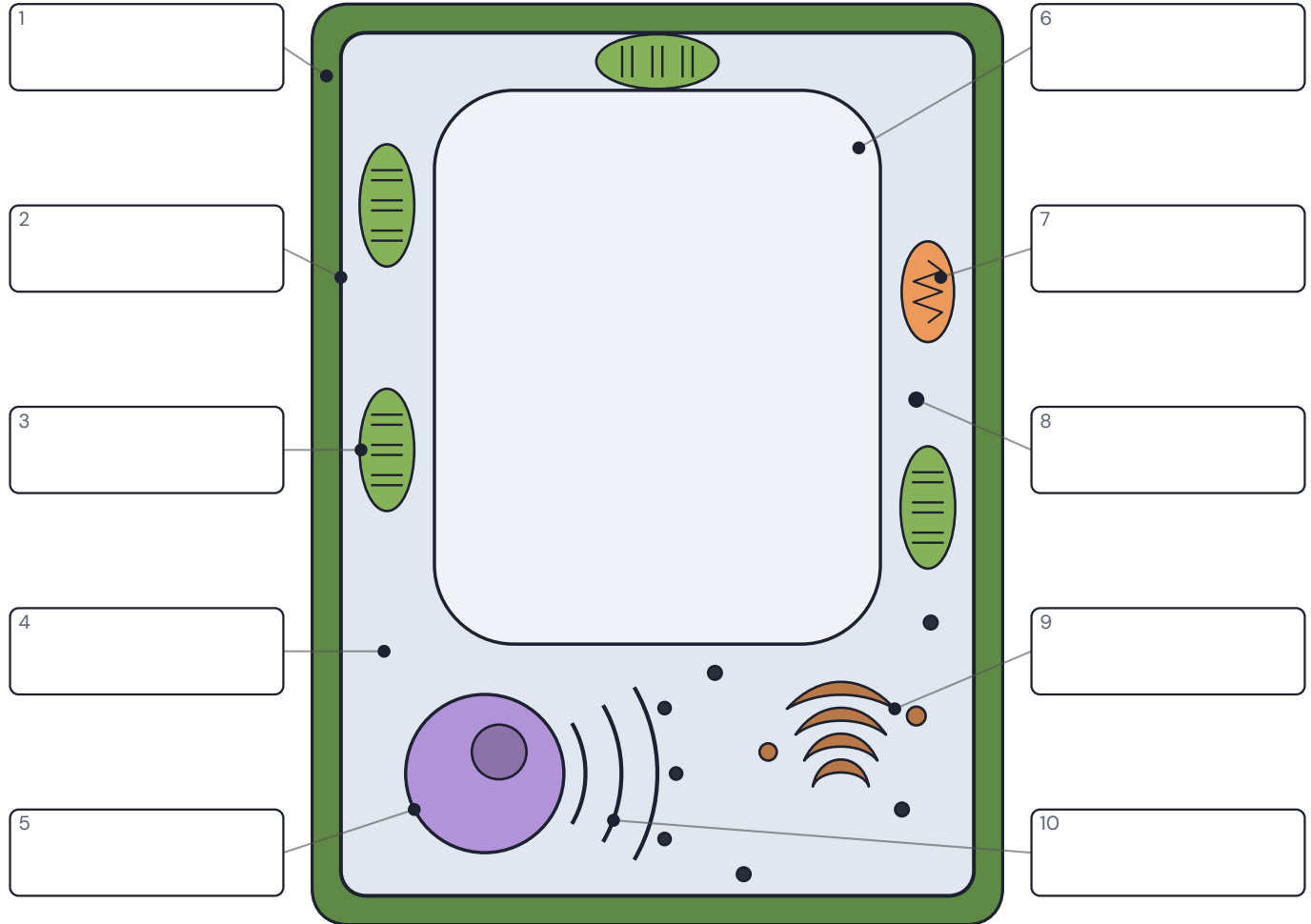


Parts of a plant cell

Write the name of each part in its box. The word bank has the names.

Name _____ Date _____



Word bank

Cell membrane

Cell wall

Chloroplast

Cytoplasm

Endoplasmic reticulum

Golgi apparatus

Mitochondrion

Nucleus

Ribosome

Vacuole

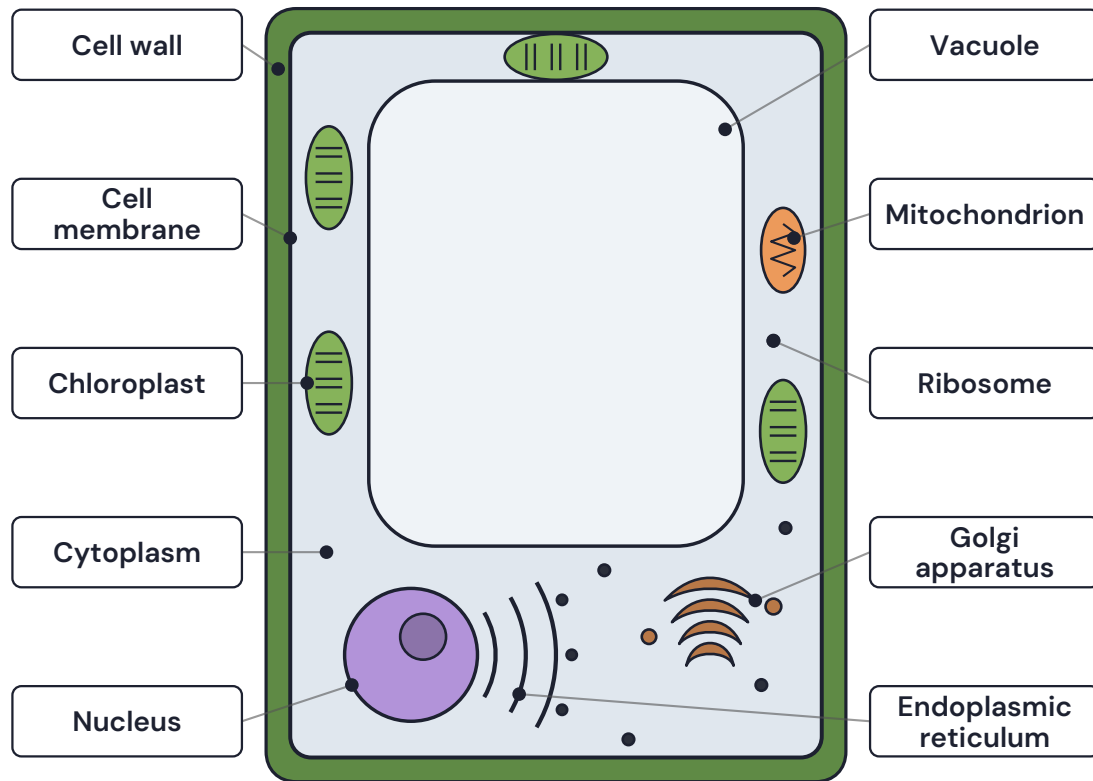
1. Which part captures sunlight to make sugar?

2. _____

3. Which two parts does a plant cell have that an animal cell does not?

Parts of a plant cell: answer key

A cell from a leaf, cut open to show the parts inside it.



Cell wall

A stiff layer outside the cell membrane, made of cellulose. It helps the plant keep its shape.

Cytoplasm

The jelly-like fluid that fills the cell. The other parts float in it.

Mitochondrion

Turns the energy in food into a form the cell can use.

Endoplasmic reticulum

Helps process the molecules the cell makes and carries them where they need to go.

An animal cell has no cell wall and no chloroplasts, and its vacuoles are small.

Answers: 1. The chloroplast. 2. The cell wall. 3. The cell wall and the chloroplasts.

Cell membrane

The thin layer inside the wall. It lets materials in and out of the cell.

Nucleus

The command center. It holds the DNA, inside a membrane of its own.

Ribosome

A tiny part that makes proteins. Some float free; some sit on the endoplasmic reticulum.

Chloroplast

In leaf and stem cells. Its green chlorophyll captures sunlight to make sugar.

Vacuole

A large sac that stores water and nutrients. It can fill most of the cell.

Golgi apparatus

Packages molecules from the endoplasmic reticulum to be sent out of the cell.