

Lesson 6 - Plants as organisms

Science - Biology - Key Stage 3

Cells, Tissues and Organs

Miss Wickham



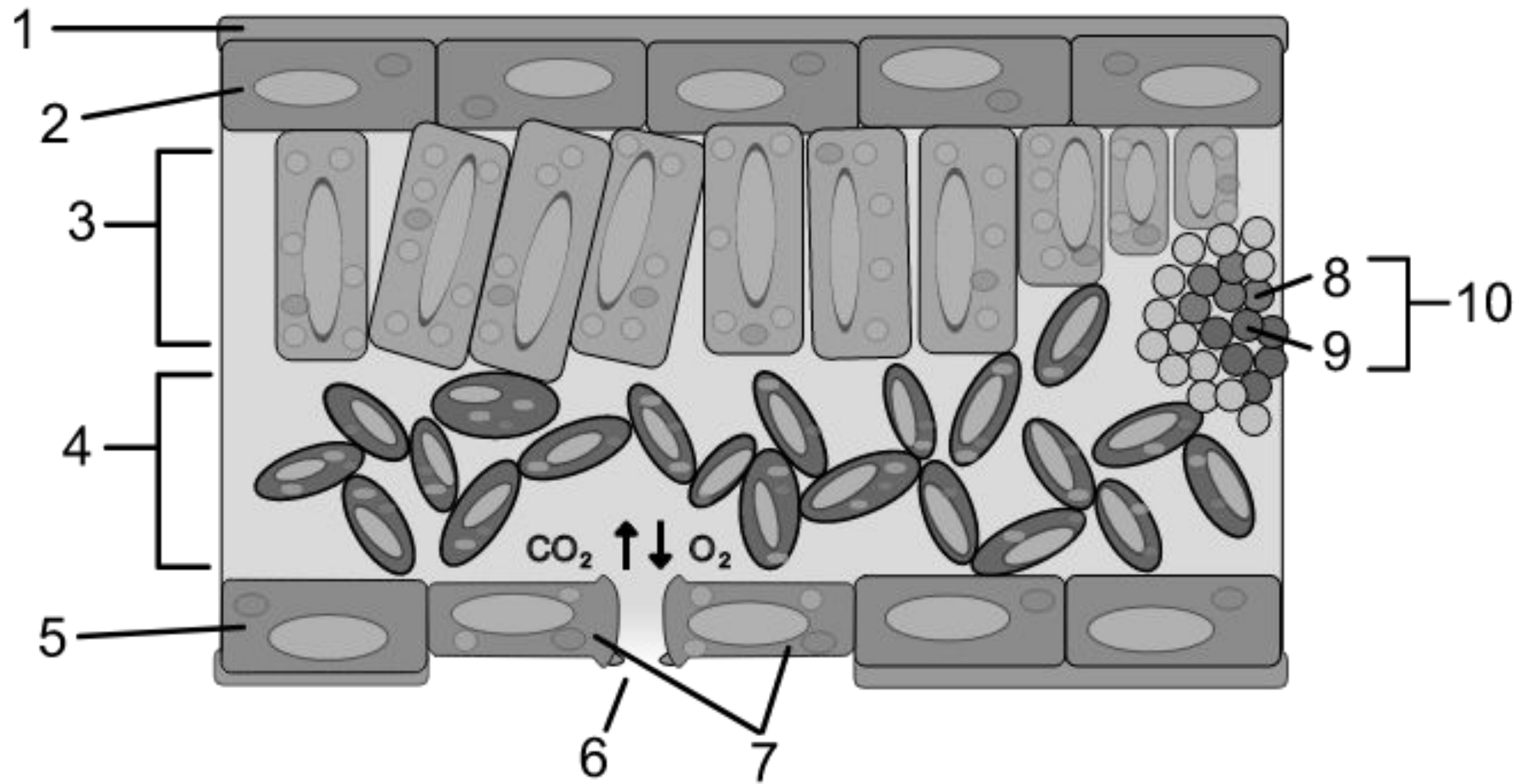
Plant tissue

- Tissues are formed when groups of cells work together to carry out a particular job.

Plant tissue	Function



How is the leaf adapted?



[anatomy of a leaf] - [Szczepan1990] - [Wikimedia Commons]



Explain how the cells, tissues and organs of a plant work together for for the process of photosynthesis

A palisade cell contains lots of _____ for photosynthesis. Lots of palisade cells makes a tissue called the _____. This tissue is found at the top of the leaf so it gets plenty of _____ for photosynthesis.

For photosynthesis to take place, the plant needs _____ which it gets from the _____ which is an organ. The _____ tissue transports the water from the roots to the _____. The leaf has a tissue called the _____, where the _____ diffuses through the leaf into the palisade cells.

Keywords to include: leaf, roots, stem, chloroplasts, xylem, phloem, mesophyll, cell, tissue, organ, carbon dioxide, sunlight

