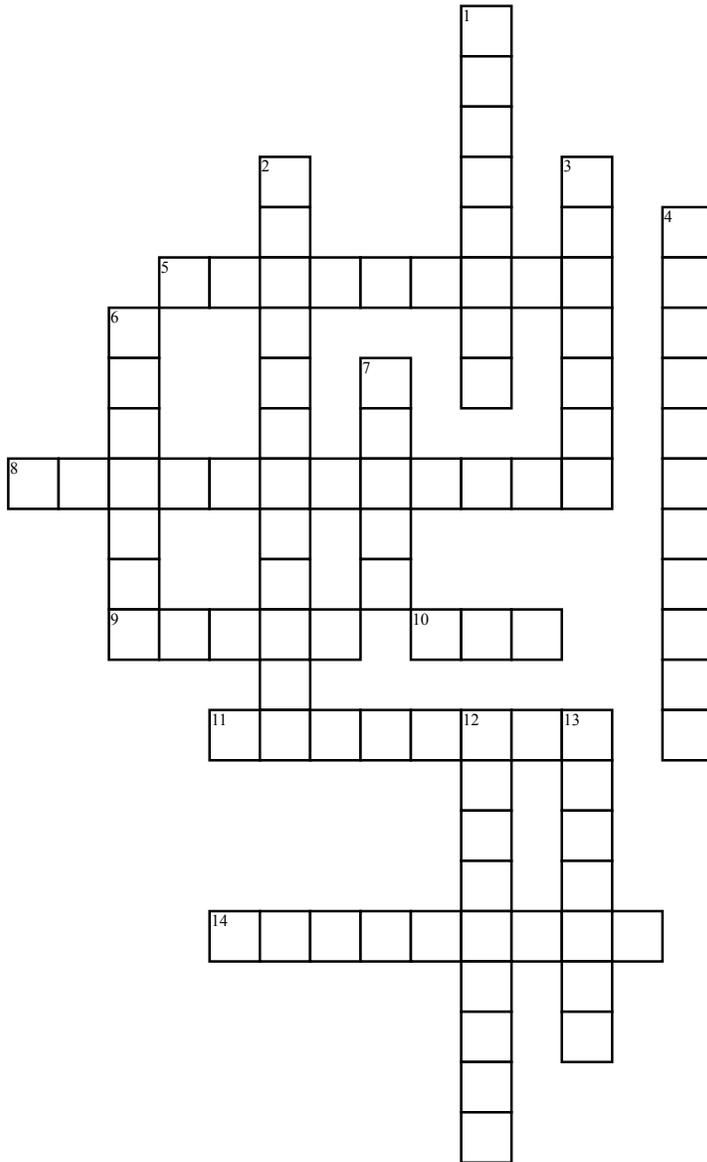


cell structure and transport



Across

- 5.** the water-based gel inside a cell where most of the chemical reactions happen
- 8.** the organelles in which photosynthesis takes place
- 9.** the male sex cell
- 10.** the female sex cell
- 11.** single celled prokaryotic organism

- 14.** the spreading out of particles of any substance resulting in a net movement of particles from an area of higher

Down

- 1.** the rigid structure around plant and algal cells
- 2.** the site of aerobic cellular respiration in a cell
- 3.** the diffusion of water of water through a partially permeable membrane

- 4.** the green pigment contained in the chloroplasts
- 6.** contains the genetic information
- 7.** the non-living transport tissue in plants that transports water from the roots to the leaves
- 12.** the site of protein synthesis in a cell
- 13.** tiny air sacs in the lungs that increase the surface area for gaseous exchange