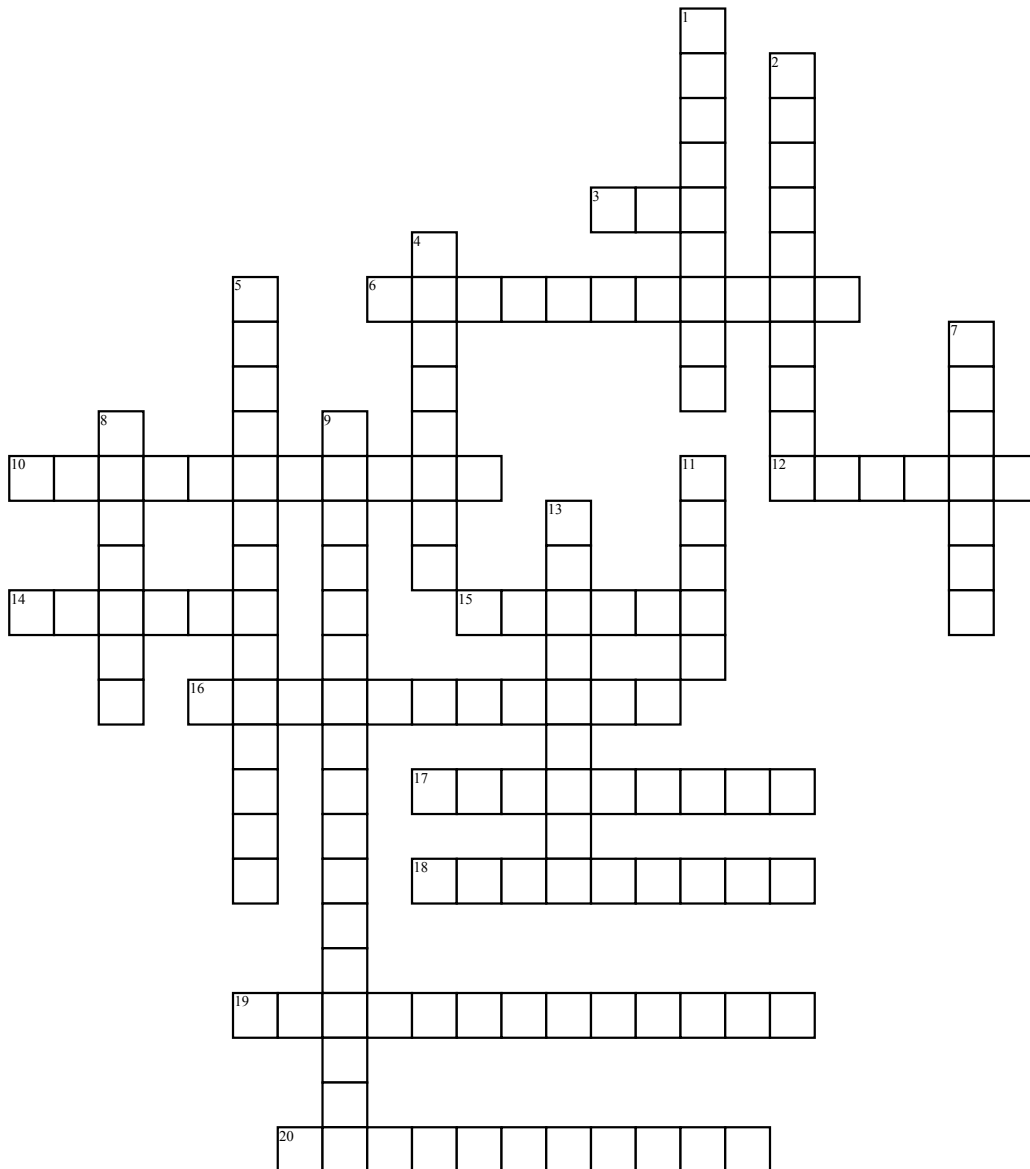


# Photosynthesis search



## Across

- 3.** A molecule containing three high energy phosphate bonds that acts as the primary energy-transferring molecule in a living organism
- 6.** A cyclic set of reactions occurring in the stroma of chloroplasts that fixes the carbon of CO<sub>2</sub> into carbohydrate molecules and recycles coenzymes
- 10.** The light-absorbing green-coloured pigment that begins the process of photosynthesis
- 12.** The protein-rich semiliquid material in the interior of a chloroplast
- 14.** A packet of light

**15.** gas that is a product of the light-dependent reactions

- 16.** A membrane-bound organelle in green plant and algal cells that carries out photosynthesis
- 17.** organism that makes its own food
- 18.** When a substance combines with oxygen
- 19.** What gas do plants require to perform photosynthesis?
- 20.** organism that relies on outer food source (does not make its own food)

## Down

- 1.** the middle layer of cells in a leaf
- 2.** A chemical reaction in which a compound is broken down by light

**4.** Groups of unstacked thylakoids between grana

**5.** Photosynthesis process in which light energy from the sun is captured and stored in the form of organic molecules

**7.** colored molecule.

**8.** C<sub>6</sub>H<sub>12</sub>O<sub>6</sub>

**9.** The photosynthetic membrane within a chloroplast that contains light gathering pigment molecules and electron transport chains

**11.** Stacks of thylakoids

**13.** A disk-shaped sac in the stroma of a chloroplast