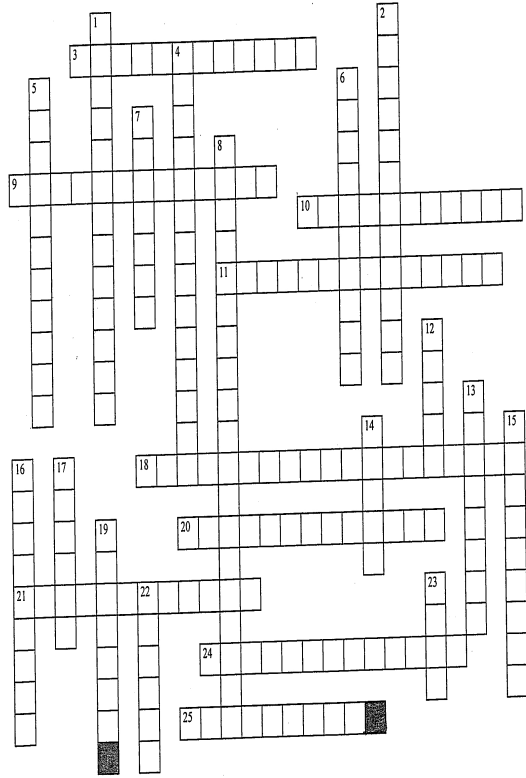


## Unit 2 Crossword



### ACROSS

- 3 Organisms that depend on others for their source of organic matter
- 9 Electron transfer occurs from \_\_\_\_\_ affinity
- 10 A negative free energy results in this type of reaction
- 11 Conversion of solar energy to chemical energy in plants
- 18 Site of the citric acid cycle

### DOWN

- 1 Enzyme catalyzing electron transfer with a proton
- 2 Metabolism without using oxygen as the final electron acceptor
- 4 Electron acceptor in a redox reaction
- 5 Organelle of photosynthesis
- 6 The first stage of glucose metabolism that takes place in the cytoplasm

- 20 Molecules that absorb visible light
- 21 H<sup>+</sup> gradient coupling the electron transport chain and ATP synthesis
- 24 One of the byproducts of cellular respiration
- 25 To start the citric acid cycle, pyruvate is first converted to this.

- 7 Pores in leaves for gas and water vapor exchange
- 8 Key enzyme of glycolysis
- 12 Site of light reactions
- 13 Compound generated at the end of glycolysis
- 14 Molecule that is oxidized during photosynthesis
- 15 Loss of electrons
- 16 Gain of an electron
- 17 The ultimate electron acceptor in the ETC
- 19 Folds that increase the surface area of the mitochondrial membrane
- 22 Site of carbon fixation in plants
- 23 Electron carriers produced during glycolysis

Note: For a fee, you can use Crossword Weaver to print a nice copy of this puzzle (one that doesn't look like a web page). You can check it out for free by downloading the demo from [www.CrosswordWeaver.com](http://www.CrosswordWeaver.com).