

## **PHOTOSYNTHESIS QUIZ KEY**

PHOTOSYSTEM – THE LIGHT COLLECTING UNITS OF CHLOROPLAST.

HETEROTROPHS – ORGANISMS THAT OBTAIN ENERGY FROM THE FOODS THEY CONSUME.

PHOTOSYNTHESIS – THE PROCESS IN WHICH PLANTS USE SUNLIGHT TO CONVERT WATER AND CARBON DIOXIDE INTO HIGH ENERGY CARBOHYDRATES AND OXYGEN.

CHLOROPHYLL – THE PRINCIPAL PIGMENT OF PLANTS.

CALVIN CYCLE – A REACTION OF PHOTOSYNTHESIS IN WHICH ENERGY FROM ATP AND NADPH IS USED TO BUILD HIGH ENERGY CARBOHYDRATES.

AUTOTROPHS – ORGANISMS THAT MAKE THEIR OWN FOOD.

ATP – THE BASIC ENERGY OF ALL CELLS.

PIGMENTS – LIGHT ABSORBING MOLECULES.

THYLAKOID – SACLIKE PHOTOSYNTHETIC MEMBRANES LOCATED INSIDE THE CHLOROPLASTS.