

Webster's II

New College Dictionary

THIRD EDITION



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fō'tō-bi-ōt'ik *adj.* *Biol.* Needing light for continued h.

ō-sel' *n.* A photoelectric cell.
try (fō'tō-kēm'ti-strē) *n.* The chemistry of the inter-
energy and chemical systems. —**pho'to-chem'i-**
o-chem'i-cal-ly *adv.*

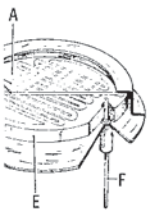
la-tion (fō'tō-kō-āg'yā-lā'shən) *n.* Surgical coagula-
sing intense light energy, as a laser beam.
‡ (fō'tō-kām-pōz't) *vt.* **-posed, -pos-ing, -pos-es** To pre-
pt) for printing by photocomposition. —**pho'to-com-**

i-tion (fō'tō-kōm'pā-zish'an) *n.* Preparation of writ-
r printing by the projection of images of type char-
tensensitive film or paper, from which printing plates

iv-i-ty (fō'tō-kōn'dūik-tiv'i-tē) *n.* Electrical conduc-
fing by illumination. —**pho'to-con-duc'tion** *n.*
ic'tive *adj.*
(fō'tā-kōp'ē-ār) *n.* A machine for making photo-
ns of printed or graphic material.
/tā-kōp'ē) *vt.* **-cop-ied, -cop-y-ing, -cop-ies** To repro-
r) by a photographic process such as xero-
xop-ies A photographic reproduction.
fō'tō-kūr'ant) *n.* An electric current produced by il-
photoelectric material.

o-si-tion (fō'tō-dē-kōm'pā-zish'an) *n.* Photolysis.
ible (fō'tō-dī-grā'ā-bal) *adj.* Capable of being
en down by light.
gra-tion (fō'tō-dis-in'ti-grā'shən) *n.* Nuclear disin-
nsformation resulting from absorption of high-
1, as of gamma rays.
s'tā-drā'mā, -drām'ā) *n.* A photoplay.
ē (fō'tō-dōō'pli-kār', -dyōō'-) *vt.* **-cat-ed, -cat-ing,**
copy. —**pho'to-dū'pli-cate** (-kit) *n.* —**pho'to-dū'pli-**

(fō'tō-dī-nām'ik) *adj.* Producing or intensifying a
o light in organisms.
fō'tō-ī-lēk'trik) *also pho'to-e-lec-tri-cal* (-trī-kāl) *adj.*
the electric effects caused by light. —**pho'to-e-lec'tri-**

7. An electronic device having an electrical output
sponse to light.


photoelectric cell
A. electrode, B. glass
window, C. metal case,
D. photoconductive
material, E. ceramic
substrate, F. base pin

(fō'tō-dī-nām'ik) *adj.* Producing or intensifying a
o light in organisms.
fō'tō-ī-lēk'trik) *also pho'to-e-lec-tri-cal* (-trī-kāl) *adj.*
the electric effects caused by light. —**pho'to-e-lec'tri-**

7. An electronic device having an electrical output
sponse to light.

pho'to-gram-me-try (fō'tō-grām'fī-trē) *n.* 1. The art or process of using
esp. aerial photography to produce accurate maps or charts. 2.
The science of making precise measurements by the use of photog-
raphy. —**pho'to-gram-met'ric** (-grā-mēt'rik) *adj.* —**pho'to-gram'met-**
rist *n.*

pho'to-graph (fō'tā-grāf') *n.* An image, esp. a positive print, recorded
by a camera and reproduced on a photosensitive surface. —*v.*
-graphed, -graph-ing, -graphs —*vt.* To take a photograph of. —*vi.* 1. To
practice photography. 2. To be the subject for photographs <I never
photograph well.> —**pho'tog'ra-pher** *n.*

pho'to-graph-ic (fō'tā-grāf'ik) *also pho'to-graph-i-cal* (-i-kāl) *adj.* 1. Of,
relating to, or consisting of photography or a photograph. 2. Used
in photography <a photographic plate> 3. Like a photograph, esp.
in accuracy of representation <a portrait painted in photographic
detail> 4. Capable of retaining accurate or vivid impressions <a pho-
tographic memory> —**pho'to-graph'i-cal-ly** *adv.*

pho'to-log-ra-phy (fā-tōg'rā-fē) *n.* 1. The process or technique of render-
ing optical images on photosensitive surfaces. 2. The art, practice,
or occupation of taking and printing photographs. 3. A body of pho-
tographs.

pho'to-gra-vure (fō'tā-grā-vyūr') *n.* The art or process of printing
from an intaglio plate, etched according to a photographic image.
pho'to-he-li-o-graph (fō'tō-hē'lē-ō-grāf') *n.* A telescope designed or
modified for solar photography.

pho'to-jour-nal-ism (fō'tō-jūr'nāl-iz'm) *n.* Journalism making pri-
mary use of photographs in presenting news or features. —**pho'to-**
jour'nal-ist *n.* —**pho'to-jour'nal-is'tic** *adj.*
pho'to-ki-ne-sis (fō'tō-kā-nēs'is, -ki-) *n.* *Biol.* Movement in response
to light. —**pho'to-ki-net'ic** (-nēt'ik) *adj.*

pho'to-lith-o-graph (fō'tō-lith'ō-grāf') *vt.* **-graphed, -graph-ing, -graphs**
To reproduce (an image) by means of photolithography. —**pho'to-**
lith'ō-graph' *n.* —**pho'to-li-thog'ra-pher** (fō'tō-li-thōg'rā-fēr) *n.*

pho'to-li-thog-ra-phy (fō'tō-li-thōg'rā-fē) *n.* A planographic print-
ing process using plates made according to a photographic image.
—**pho'to-lith'ō-graph'ic** (-lith'ō-grāf'ik) *adj.*

pho'to-ly-sis (fō'tō-lī'sis) *n.* Chemical decomposition induced by rad-
iant energy, esp. light. —**pho'to-lyt'ic** (fō'tā-līt'ik) *adj.* —**pho'to-**
lyt'i-cal-ly *adv.*

pho'to-map (fō'tā-māp') *n.* A map produced by superimposing ori-
ginating data, as a grid, on an aerial photograph. —*v.* **-mapped, -map-**
ping, -maps —*vt.* To make a photomap of. —*vi.* To make a pho-
tomap.

pho'to-me-chan-i-cal (fō'tō-mī-kān'ī-kāl) *adj.* Of, relating to, or des-
ignating any of various methods by which plates are prepared for
printing by means of photography. —**pho'to-me-chan'i-cal-ly** *adv.*

pho'to-m-e-ter (fō'tōm'fī-tēr) *n.* An instrument for measuring a prop-
erty of light, esp. luminous intensity or flux.

pho'to-m-e-try (fō'tōm'fī-trē) *n.* Measurement of the properties of
light, esp. of luminous intensity. —**pho'to-met'ric** (fō'tā-mēt'rik),
pho'to-met'ri-cal *adj.* —**pho'tom'et-rist** *n.*

pho'to-mi-cro-graph (fō'tō-mī'krō-grāf') *n.* A photograph made using
a photomicroscope. —*vt.* **-graphed, -graph-ing, -graphs** To photo-
graph (a magnified image) by means of a photomicroscope.
—**pho'to-mi-crog'ra-pher** (-mī-krōg'rā-fēr) *n.* —**pho'to-mi'cro-graph'ic**
adj. —**pho'to-mi-crog'ra-phy** *n.*

pho'to-mi-cro-scope (fō'tō-mī'krō-skōp') *n.* An instrument for mak-
ing photomicrographs. —**pho'to-mi'cro-scop'ic** (-skōp'ik) *adj.*
pho'to-mon-tage (fō'tō-mōn-tāzh', -mōn-) *n.* 1. The art or technique
of making a picture by assembling photographic images, often in
combination with other types of graphic material. 2. A composite
picture made by photomontage.

pho'to-mul-ti-pli-er (fō'tō-mūl'tā-plī-ār) *n.* An electronic sensing de-
vice that is used for detecting electromagnetic energy of a wide range
of frequencies and intensity levels.

pho-ton (fō'tōn') *n.* 1. The quantum of electromagnetic energy, re-
garded as a discrete particle having zero mass, no electric charge,
and an indefinitely long lifetime. 2. A unit of retinal illumination,
equal to the amount of light that reaches the retina through 1 square
millimeter of pupil area from a surface having a brightness of 1 can-
dela per square meter. —**pho-ton'ic** *adj.*

pho-ton-ics (fō-tōn'iks) *n.* (*sing. in number*) The study or applica-
tion of electromagnetic energy whose basic unit is the photon, in-
corporating optics, laser technology, materials science, and
information storage.

pho'to-nu-cle-ār (fō'tō-nōō'klē-ār, -nyōō'-) *adj.* *Physics.* Designat-
ing a nuclear reaction induced by photons.

pho'to-off-set (fō'tō-ōf'sēt', -ōf'-) *n.* Offset printing.

pho'to-opportunity *n.* A brief period reserved for the press to photo-
graph the participants in a newsworthy event.

pho'to-pe-ri-od (fō'tō-pir'ē-ōd) *n.* The length of an organism's daily
exposure of an organism to light, considered esp. as to the effect on
biological processes. —**pho'to-pe'ri-od'ic** (-ōd'ik), **pho'to-pe'ri-od'i-**
cal *adj.*

posing it to light. 2. A photograph.

pho'to-pe-ri-od-ism (fō'tō-pir'ē-ō-diz'əm) *also pho'to-pe-ri-ō-dic-i-ty*
(-dis'i-tē) *n., pl. -isms* *also -i-ties.* The response of an organism to
changes in its photoperiod, esp. as indicated by vital processes.

pho'to-ph-i-lous (fō'tō-f'ē-lās) *also pho'to-ph-il-ic* (fō'tā-fil'ik) *adj.* *Biol.*
Growing or functioning optimally when exposed to full or pro-
longed light. —**pho'toph'i-ly** *n.*

pho'to-pho-bi-a (fō'tā-fō'bē-ā) *n.* Abnormal intolerance of light.
—**pho'to-pho'bic** (-fō'bik) *adj.*

pho'to-pho-re (fō'tā-fōr') *n.* A light-producing organ found esp. in ma-
rine fishes that emits light from specialized structures or derives light
from luminescent bacteria.

pho'to-phos-phor-y-la-tion (fō'tō-fōs'fōr-ā-lā'shən, -fār-) *n.* Phosphor-
ylation induced by radiant energy in photosynthesis.

pho'to-pi-a (fō'tō-pē-ā) *n.* Adaptation of the eyes to light : daylight
vision. —**pho'to'pic** (-tō'pik, -tōp'ik) *adj.*

pho'to-play (fō'tā-plā') *n.* A drama filmed or adapted for filming as
a movie.

pho'to-re-al-ism (fō'tō-rē-ā-liz'əm) *n.* A painting style resembling
photography in close attention to detail. —**pho'to-re'al-ist** *n.*

pho'to-re-cep-tion (fō'tō-rī-sēp'shən) *n.* The detection or perception
of visible light : vision. —**pho'to-re-cep'tive** *adj.*

pho'to-re-cep-tor (fō'tō-rī-sēp'tər) *n.* A photoreceptive nerve.

pho'to-re-con-nais-sance (fō'tō-rī-kōn'ā-sāns, -zāns) *n.* Photographic
aerial reconnaissance, esp. of military targets.

pho'to-re-frac-tive (fō'tō-rī-frāk'tiv) *adj.* Of or relating to a material
that undergoes a change in refractive index when subjected to light
or an electric field.

pho'to-res-pi-ra-tion (fō'tō-rēs'pā-rā'shən) *n.* Oxidation of carbohy-
drates in plants accompanied by the release of carbon dioxide dur-
ing photosynthesis.

pho'to-sen-si-tive (fō'tō-sēn'si-tiv) *adj.* 1. Sensitive or responsive to
light or other radiant energy <a photosensitive emulsion> <a pho-
tosensitive organism> 2. *Med.* Abnormally sensitive or reactive to
light. —**pho'to-sen'si-tiv'i-ty** *n.*

pho'to-sen-si-ti-za-tion (fō'tō-sēn'si-ti-zā'shən) *n.* 1. The act or pro-
cess of photosensitizing something. 2. *Med.* A condition of hypersen-
sitivity, esp. of the skin to sunlight or ultraviolet radiation, caused
by certain disorders or by ingestion of endocrine products, small
amounts of heavy metals, or fluorescent dyes and characterized by
dermatitis and swelling of the skin.

pho'to-sen-si-tize (fō'tō-sēn'si-tiz') *vt.* **-tized, -tiz-ing, -tiz-es** To make
(a substance or organism) sensitive to light.

pho'to-set (fō'tō-sēt') *vt.* **-set, -set-ting, -sets** To photocompose.
—**pho'to-set'ter** *n.*

pho'to-sphere (fō'tō-sfir') *n.* The surface of a star, esp. of the sun.
—**pho'to-spher'ic** (-sfir'ik, -sfer'ik) *adj.*

pho'to-stat (fō'tō-stāt') *n.* A trademark for a device used to make nega-
tive or positive copies of graphic matter.

pho'to-syn-the-sis (fō'tō-sin'thi-sis) *n.* The process by which
chlorophyll-containing cells in green plants convert incident light to
chemical energy and synthesize organic compounds from inorganic
compounds, esp. carbohydrates from carbon dioxide and water, ac-
companied by the simultaneous release of oxygen. —**pho'to-syn-**
thet'ic (-sin-thet'ik) *adj.* —**pho'to-syn-thet'i-cal-ly** *adv.*

pho'to-syn-the-size (fō'tō-sin'thi-siz') *v.* **-sized, -siz-ing, -siz-es** —*vt.* To
synthesize (organic compounds) by the process of photosynthesis.
—*vi.* To perform the process of photosynthesis.

pho'to-tax-is (fō'tō-tāk'is) *also pho'to-tax-y* (fō'tō-tāk'sē) *n.* *Biol.*
Movement of an organism in response to a source of light. —**pho'to-**
tae'tic (-tāk'tik) *adj.*

pho'to-tel-e-graph (fō'tō-tēl-ē-grāf') *vt.* **-graphed, -graph-ing, -graphs** To
transmit (images or printed matter) by facsimile. —**pho'to-tel'e-**
graph'ic, pho'to-tel'e-graph'i-cal *adj.* —**pho'to-tel'e-graph'i-cal-ly** *adv.*
—**pho'to-tel'e-g'ra-phy** (-tā-lēg'rā-fē) *n.*

pho'to-ther-a-peu-tics (fō'tō-thēr'ā-pyōō'tiks) *n.* (*sing. or pl. in num-*
ber). Phototherapy.

pho'to-ther-a-py (fō'tō-thēr'ā-pē) *n.* Treatment of disease, esp. cer-
tain skin conditions, with light, including ultraviolet and infrared
radiation.

pho'to-to-nus (fō'tō-tā-nās) *n.* *Biol.* Photosensitivity. —**pho'to-ton'ic**
(fō'tā-tōn'ik) *adj.*

pho'to-tran-sis-tor (fō'tō-trān-zis'tər, -sis'-) *n.* A transistor having
highly photosensitive electrical characteristics.

pho'to-troph (fō'tā-trōf') *n.* [PHOTO- + Gk. *trophē*, food.] An orga-
nism that obtains metabolic energy through photosynthesis.

pho'to-tro-pism (fō'tō-t'rō-piz'əm, fō'tō-trō'-) *also pho'to-tro-py* (-pē)
n. Growth or movement in response to a source of light. —**pho'to-**
tro'pic (fō'tā-trōp'ik, -trōp'ik) *adj.* —**pho'to-tro'pi-cal-ly** *adv.*

pho'to-tube (fō'tō-tōōb', -tyōōb') *n.* An electron tube equipped with
a photosensitive cathode.

pho'to-type-set-ter (fō'tō-tīp'sēt'tər) *n.* A machine used in photo-
composition.

pho'to-type-set-ting (fō'tō-tīp'sēt'ting) *n.* Photocomposition.

pho'to-ty-pog-ra-phy (fō'tō-tī-pōg'rā-fē) *n.* Photomechanical print-
ing that resembles metal typography. —**pho'to-ty-pog'ra-pher** *n.*

ā pat ā pay ār care ā father ār car ē pet ē be ī pit ī bite īr pier ō pot ō toe ō paw ōr core
oi boy oo out oō took' oōr lure oō boot th thin th this ū cut ūrge zh vision ō about, item