



Nancy Larson<sup>®</sup>

# Science 4 Word Wall

**Research tells us:**

*“Direct vocabulary instruction has an impressive track record of improving students’ background knowledge and the comprehension of academic content.” \**

As your Science Word Wall is built in your classroom, an ongoing, organized display of key words will:

- ✓ Help students remember connections between words and concepts,
- ✓ Promote independence in reading and writing by building vocabulary,
- ✓ Provide visual clues and reference for English language learners, and
- ✓ Support the teaching of key words and subject-specific terminology.

**Biology**

biology	cytoplasm	chitin
biologist	mitochondria	eukaryotic cell
organism	vacuole	protist
cell	chloroplasts	prokaryotic cell
microscope	cell wall	bacteria
nucleus	cellulose	archaea
cell membrane	fungus	eukaryotes

**Physics (Electricity)**

electricity	conductor
power plant	insulator
battery	switch
static	series circuit
current	parallel circuit
circuit	electromagnet

**Zoology**

zoology	exoskeleton
zoologist	molt
vertebrate	insects
endoskeleton	nymph
homeotherm	pupa
poikilotherm	arachnids
metamorphosis	herbivore
larva	carnivore
invertebrate	omnivore
arthropods	detritivore

**Botany**

botany	pollen
botanist	egg
vascular	pollination
tissue	fertilization
xylem	germination
phloem	seedling
photosynthesis	adult
reproduce	angiosperm
seeds	flower
spores	carpel
vegetative	ovary
reproduction	stamen
gymnosperm	anther
conifer	petal
cone	sepal
evergreen	fruit
deciduous	broad leaf

**Ecology**

ecology	mutualism
ecologist	commensalism
habitat	parasitism
species	inherited
population	trait
community	phototropism
environment	gravitropism
ecosystem	hydrotropism
producer	cooperate
consumer	hibernate
decomposer	migrate
food chain	camouflage
food web	mimicry
predator	extinct
prey	endangered

**Physics (Energy)**

energy	radiant energy	renewable
physics	visible light	solar
physicist	transparent	hydropower
kinetic energy	translucent	wind power
potential energy	opaque	geothermal
chemical	refraction	biomass
elastic	heat	non-renewable
gravitational	radiation	fossil fuels
sound	conduction	nuclear
pitch	convection	

\*Robert J. Marzano, *Building Background Knowledge for Academic Achievement: Research on What Works in Schools*.