FOSS Diversity of Life Course
Vocabulary/Glossary Terms
Next Generation © 2018

***Investigations Guide* Vocabulary**

Investigation 1: What Is Life?
dead
dormant
evidence
habitat
living
nonliving
organism

Investigation 2: The Microscope
compound microscope
field of view
magnification
magnify
power
scale

Investigation 3: The Cell
asexual reproduction
cell
cell membrane
cell structure
cell wall
chlorophyll
chloroplast
cytoplasm
dormancy
elodea
mitochondrion
multicellular organism
nucleus
organelle
paramecium
protist
single-celled organism

Investigation 4: Domains
archaea
atom
bacterium
classification
colony
control
culture
decomposer
domain
E. coli
eukaryote
fungus
microorganism
molecule
penicillium
plasmid
prokaryote
spore

Investigation 5: Plants: The Vascular System
aerobic cellular respiration
guard cell
organ
organ system
phloem
photosynthesis
stoma
tissue
transpiration
vascular system
vein
xylem

Investigation 6: Plant Reproduction and Growth
adaptation
coevolve
egg
environmental factor
fertilize
flower
genetic factor
germination
pollination
pollination syndrome
pollinator
salinity
salt tolerant
seed
sexual reproduction
sperm

Investigation 7: Variation of Traits
allele
characteristic

chromosome
cross
DNA
dominant
feature
filial
gene
generation
genotype
heredity
heterozygous
homozygous
inheritance
phenotype
population
Punnett square
recessive
trait
variation

Investigation 8: Insects
behavior
function
structure

Investigation 9: Diversity of Life
biodiversity
virus

***Science Resources* Vocabulary**

Investigation 1: What Is Life?
adaptation
dead
dormant
energy
environment
food
function
gas exchange
growth
living
nonliving
organism
paramecium
population
reproduce
response
species
spore
waste

Investigation 2: The Microscope
atom
compound microscope
microscope

Investigation 3: The Cell
aquatic
archaea
asexual reproduction
bacterium
behavior
cell
cell membrane
cell structure
chloroplast
cilium
contractile vacuole
cytoplasm
daughter cell
digestive enzyme
endoplasmic reticulum
eukaryote
field of view
genetic material
inference
insect
lysosome
microorganism
mitochondrion
multicellular organism
nucleus
oral groove
organ
organ system
organelle
prokaryote
protist
ribosome
scale
sexual reproduction
single-celled organism
structure
vacuole
yeast

Investigation 4: Domains
antibiotic
cell wall
colony
culture
decomposer
ecosystem
evolution
food-borne illness
molecule
plasmid
strain
tissue
virus

Investigation 5: Plants: The Vascular System
aerobic cellular respiration
alga
chlorophyll
cuticle
elodea
evolve
guard cell
phloem
photosynthesis
root
root hair
stoma
sugar

transpiration
vascular system
vein
xylem

Investigation 6: Plant Reproduction and Growth
coevolve
cotyledon
dispersal
egg
embryo
environmental factor
fertilization
flower
fruit
genetic factor
germinate
ovary
ovule
pistil
pollen
pollen tube
pollination
pollination syndrome
salinity
salt tolerant
seed
seed-dispersal mechanism
seed-dispersal strategy
sperm
stigma

Investigation 7: Mendel and Punnett Squares
allele
dominant
F_1 generation
F_2 generation
feature
filial
genetics
heterozygous
homozygous
P generation (parent)
phenotype
Punnett square
recessive

Investigation 8: Insects
abdomen
larva
pheromone
spiracle

Investigation 9: Diversity of Life
biodiversity
fungus
pollinator