

# SCIENCE 10

## VOCABULARY LIST

### PROCESSES OF SCIENCE

**A**  
accuracy

**C**  
conclusion  
control  
controlled experiment

**D**  
dependent variable

**E**  
extrapolation

**H**  
hypothesis

**I**  
independent variable  
interpolation

**O**  
observation

**P**  
precision  
prediction  
principle  
procedure

**S**  
scale  
scientific literacy  
slope

**U**  
uncertainty

**V**  
validity  
variable  
Venn diagram

### SUSTAINABILITY OF ECOSYSTEMS

**A**  
abiotic  
acid precipitation/rain  
adaptation  
adaptive radiation  
algae  
annual precipitation  
annual temperature  
aquatic

**B**  
bacteria  
bioaccumulation  
biodegradation  
biodiversity  
biomagnification  
biome  
biosphere  
biotic

**C**  
carbon exchange  
carbon sink  
carbon store  
carbonate  
carnivore  
cellular respiration  
climate  
climate change  
climatograph  
climax community  
commensalism  
community  
competition  
consumer  
(primary, secondary, tertiary)

**D**  
DDT  
decomposers  
deforestation  
denitrification  
detritivore

**E**  
ecological hierarchy  
(organism, population, community, ecosystem)  
ecological pyramid  
(pyramid of biomass, pyramid of energy, pyramid of numbers)  
ecological succession  
(primary, secondary)  
ecology  
ecosystem  
elevation  
estuary  
extinction

**F**  
food chains  
food pyramids  
food webs  
foreign species  
fossil fuel

**G**  
grazing  
greenhouse gases

**H**  
habitat  
heavy metals  
herbivore  
host

**K**  
keystone species

**L**  
latitude  
legumes  
lichen  
lightning

**M**  
mutualism

**N**  
native species  
natural selection  
niche  
nitrification  
nutrients

**O**  
omnivore  
ozone layer

**P**  
parasitism  
PCBs  
permafrost  
pesticide  
pH  
phosphorus  
photosynthesis  
phytoplankton  
pioneer species  
predation  
producer  
proliferation

**S**  
soil degradation  
stability  
symbiosis

**T**  
terrestrial  
top consumer/predator/  
carnivore  
toxin  
trophic levels

**Z**  
zooplankton

## CHEMISTRY AND RADIOACTIVITY

<b>A</b> acidic acids alpha particle atomic mass atomic number atoms	<b>M</b> mass number metal oxide methyl orange methyl red molecules	<b>D</b> displacement distance	<b>M</b> magnetic polarity (normal, reverse) magnetic reversal magnetometer mantle mantle convection mantle plume mid-ocean ridge mountain range
<b>B</b> bases basic beta particle Bohr diagrams bonding pair bromothymol blue	<b>N</b> neutral neutralization (acid-base) neutron non-metal oxide	<b>M</b> magnitude	<b>O</b> outer core
<b>C</b> catalyst chemical family/group combustion compounds concentration conservation of mass covalent bonding	<b>O</b> organic	<b>P</b> position	<b>P</b> paleoglaciation plate boundary (convergent, divergent, transform)
<b>D</b> daughter product/isotope decay curve decay product decomposition diatomic element	<b>P</b> paired electrons parent isotope period pH indicator pH scale phenolphthalein polyatomic proton	<b>S</b> slope speed	Plate Tectonic Theory primary waves (P-waves)
<b>E</b> electron	<b>R</b> radiation radioactive decay	<b>T</b> time interval	<b>R</b> ridge push rift valley
<b>F</b> fission fusion	<b>S</b> salts shells/orbits single and double replacement standard atomic notation/isotope notation surface area symbolic equations synthesis	<b>U</b> uniform motion	<b>S</b> seafloor spreading secondary waves (S-waves) seismogram seismograph seismometer slab pull spreading ridge subduction subduction zone supercontinent (e.g. Pangea) surface waves (L-waves)
<b>G</b> gamma	<b>U</b> unpaired electrons	<b>V</b> velocity	<b>T</b> tectonic plate transform fault trench
<b>H</b> half-life hydrocarbon	<b>V</b> valence electron	<b>PLATE TECTONICS</b>	<b>V</b> volcanic belt volcanic island arc volcanoes
<b>I</b> indigo carmine inorganic ionic bonding ions isotope	<b>MOTION</b>	<b>A</b> asthenosphere	
<b>L</b> Lewis diagrams litmus lone pair	<b>A</b> acceleration (positive, negative and zero)	<b>C</b> Continental Drift Theory cross section (vs. map view) crust (continental, oceanic)	
		<b>D</b> density	
		<b>E</b> earthquake epicentre	
		<b>F</b> fault focus	
		<b>G</b> geologic time	
		<b>H</b> hot spot	
		<b>I</b> inner core	
		<b>L</b> lithosphere	