| **Science Essential Academic High School Vocabulary** |
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| **Biology**alleleanalogousATPbehavior (innate, learned)biogeochemical cyclebiomoleculescarrying capacitycellular respirationDNA (replication, sequence, molecule)enzymeevolutiongenes (encoding, expression, mutation)genotypeheterozygoushomologoushomozygouslevels of organization (cell, tissue, organs,   organ system, organism)limiting factorsmulticellularmutationnucleotidepedigreepermeablephenotypephospholipidspopulation densityrecessive traitRNAsex-linked traitstimulussymbiosis (mutualism, commensalism)transport (active, passive)tropism | **Chemistry**atom (electron, proton, neutron)atomic massatomic numberatomic theoryAvogadro’s Numberbalanced equations (mass conservation)bonding (ionic, polar covalent, nonpolar)catalystchemical equationschemical formulaselectron configurationelectronegativityelementsendothermicentropyequilibriumexothermicgas lawsintermolecular forcesinversely proportionalion (cation, anion)Kinetic Theorymolar massmolaritymoleneutralizationoxidationperiodic table (families, periods)proportional (directly, indirectly)pure substancereactantreductionsolubilitystoichiometryvalence | **Physics**accelerationbuoyancyelectromagneticfluidforcegas lawsgravitationinversely proportionalkinetic energymagnitudemomentumOhm’s law (voltage, current, resistance)potential energypowerproportionalscalarspecific heatthermodynamicsvectorsvelocityviscositywork  |

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| ***Physical Science***atom (electron, proton, neutron)atomic massatomic numbercatalystchemical formulascompoundconductionconservation (mass, energy,     momentum)convection currentsdilutionelementsequilibriumfossil recordgas lawsgeologic time scaleheterogeneoushomogeneousionisotopeskinetic energymixture (heterogeneous, homogeneous,   suspension, colloid)nuclear fusionperiodic table (families, periods)potential energypure substanceradiationsolutesolventstar life cycletectonic cyclethermal energyvelocitywaves (electromagnetic, seismic, sound) |  |  |

Source: <http://ok.gov/sde/building-academic-vocabulary#English> aligning with CCSS