

PFLUGERVILLE INDEPENDENT SCHOOL DISTRICT

Department of Curriculum and Assessment – July 2008

KEY VOCABULARY TERMS

High School Science

Area of Science	IPC	Biology	Chemistry	Physics
1. Nature of Science	accuracy dependent variable independent variable precision slope	control	MSDS oxidizer qualitative quantitative scientific notation significant figures	
2. Organization of Living Systems		adaptation ADP ATP autotroph codon enzyme eukaryote heterotroph lipid meiosis mitosis mRNA mutation natural selection prokaryote speciation transcription translation tRNA		

3. Organisms and the Environment		biomass carrying capacity commensalism ecological pyramid extinction food chain food web heterotroph limiting factor mutualism parasitism symbiosis		
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4. Structure and Properties of Matter	acid base conservation of mass covalent bond energy level heterogeneous mixture homogeneous mixture ionic bond isotopes mass number pH solubility solute solution solvent subscript valence electron		anion atomic radius Avogadro's number cation electrolysis electron configuration electronegativity empirical formula energy level ground state half-life hydrogen bond ideal gas law ionization energy kinetic theory metallic bond mole oxidation number oxidizing agent periodicity radioactive decay reducing agent stoichiometry	
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5. Motion, Forces and Energy	acceleration convection efficiency electric current electromagnetic induction inertia interference law of conservation of energy longitudinal wave magnetic field mechanical advantage power radiation resistance resonance transverse wave velocity voltage work			angular acceleration capacitance centripetal acceleration coefficient of friction diffraction displacement electric field electric potential electromagnetic wave entropy free-body diagram impulse index of refraction instantaneous velocity normal photoelectric effect photon potential difference resultant scalar simple harmonic motion standing wave torque vector
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