

The following are “answer keys” for each round. Please note that these are only examples of correct responses, and that many correct responses not listed here may exist. Please accept all correct responses. For more information, see the “Notes About Test” document.

## Round 1

TEAM # \_\_\_\_\_ SCHOOL \_\_\_\_\_ STUDENT NAME(S) \_\_\_\_\_

CATEGORY		Diseases	Stars	Elements	Scientific Laws	Minerals	Letter Score
L E T T E R	A	Achondroplasia, Anemia, Albinism, Amnesia, Aneurysm	Aldebaran, Algol, Altair, Antares, Arcturus	Actinium, Astatine, Argon, Americium, Arsenic, Antimony, Aluminum	Ampère's law, Avogadro's Law, Archimedes' principle	Albite, Almandine, Apatite, Amazonite, Aragonite, Augite, Azurite	
	B	Basal Cell Carcinoma, Bell's Palsy, Black Death, Boil, Botulism, Bursitis, Bronchitis	Betelgeuse	Barium, Berkelium, Boron, Beryllium, Bismuth, Bohrium, Bromine	Boyle's Law, Bell's Theorem, Birch's Law	Bauxite, Barite, Beryl, Biotite, Bornite	
	D	Dementia, Dermatitis, Diabetes, Down's Syndrome, Displasia	Deneb	Darmstadtium, Dubnium, Dysprosium	Dalton's Law, Dermott's Law	Diamond, Dolomite	
	P	Parkinson's Disease, Periodontitis, Pertussis, Pharyngitis, Pica, Plague	Polaris, Procyon, Proxima Centauri	Palladium, Phosphorus, Platinum, Plutonium, Polonium, Potassium	Planck's Law, Planck-Einstein law, Pauli Exclusion Principle, Pascal's Law	Pyrite	
	R	Rabies, Renal Artery Stenosis, Retinoblastoma, Rheumatic Fever, Rheumatoid Arthritis	Regulus, Rigel	Radium, Radon, Rhenium, Rhodium, Roentgenium, Rubidium, Ruthenium	Raoult's Law, Rolle's Theorem	Rhodonite	
Category Score							
<b>TOTAL LETTER SCORE</b>							
<b>TOTAL CATEGORY SCORE</b>							
<b>TOTAL SCORE</b>							

## Round 2

TEAM # \_\_\_\_\_ SCHOOL \_\_\_\_\_ STUDENT NAME(S) \_\_\_\_\_

CATEGORY		Measurement Equipment	Genetics	Chemists	Programming Languages	Meteorological Phenomena	Letter Score
L E T T E R	Z	zymometer	zygote	Richard Zare, Ahmed Zewail, Karl Ziegler, Richard Adolf Zsigmondy	Z notation, Zenon, ZOPL, ZPL	zud	
	T	tacheometer, tachometer, taximeter, tensiometer, theodolite, thermometer	trisomy, trait, true-breeding, tRNA, tetrad, test-cross, transcription, translocation	J. J. Thomson, Max Tishler, Koichi Tanaka, Henry Taube, Arne Tiselius	T, Tcl, TACPOL, TeX, TOM, Tom, TADS, TUTOR, TypeScript	tornado, tropical cyclone, thunder, thunderstorm, temperature inversion	
	C	caliper, calorimeter, ceilometer, chronometer, clock, colorimeter, creepmeter	codon, crossing over, cross breeding, cDNA, complementary sequence	Melvin Calvin, Heinrich Caro, Wallace Carothers, Charles D. Coryell, Marie Curie	C, C++, C#, CFML, COBOL, Cilk, CL, Cobra, CoffeeScript	clouds, cold snap, contrail, crepuscular rays, cyclone	
	N	nephoscope, nephelometer	natural selection, nitrogenous base, nondisjunction, nucleic acid, nonsense mutation	Alfred Nobel, John Howard Northrop, William Nicholson, Giulio Natta	NASM, Neko, Newspeak, NetRexx, Nu, NetLogo	nacreous cloud, northern lights, nor'easter, noctilucent cloud, nimbostratus cloud	
	M	magnetometer, manometer, mass spectrometer, mass flow meter, measuring cup, multimeter	mRNA, meiosis, monoecious, monosomy, monohybrid cross	Dmitri Mendeleev, Paul Müller, Edwin McMillan, Hartmut Michel	MDL, MIMIC, MIVA, mSI, Script, MAD, MUMPS	mesocyclone, mid-latitude cyclone, morning glory cloud, mammatus cloud	
Category Score							
<b>TOTAL LETTER SCORE</b>							
<b>TOTAL CATEGORY SCORE</b>							
<b>TOTAL SCORE</b>							

# Round 3

TEAM # \_\_\_\_\_ SCHOOL \_\_\_\_\_

STUDENT NAME(S) \_\_\_\_\_

CATEGORY		Organs	Fields of Science	Ecology	Astronomy	Metric Prefixes	Letter Score
L E T T E R	I	ileum, intestines, iris	ichnology, ichthyology	alluviation, invasive species, indicator species, intertidal zone, immigration	interstellar astrophysics, inclination	NO POSSIBLE ANSWER	
	H	heart	herpetology	habitat, host, hydrosphere, hydrologic cycle, humus, hydrothermal vent	heliocentrism, Hertzsprung-Russell diagram	hecto-	
	F	Fallopian tubes	forestry	food chain, food web, founder effect, foundation species, floodplain	field emission, field galaxy, flare star, flash spectrum, flux	femto-	
	L	liver, large intestine, larynx, lungs, lymph node, lymphatic vessel	life science, limnology	limiting factor, La Niña, logistic growth, lake	light-year, Large Magellanic Cloud, lenticular galaxy, luminosity, lunar eclipse	NO POSSIBLE ANSWER	
	K	kidney	kinetics, kinematics, kinesiology	keystone species, k-selected species	Kepler's laws, Kuiper belt	kilo-	
Category Score							
<b>TOTAL LETTER SCORE</b>							
<b>TOTAL CATEGORY SCORE</b>							
<b>TOTAL SCORE</b>							

# Round 4

TEAM # \_\_\_\_\_ SCHOOL \_\_\_\_\_

STUDENT NAME(S) \_\_\_\_\_

CATEGORY		Acoustics	Glaciers	Taxonomic Ranks	Physicists	Units of Measurement <small>(base units only; no prefixes)</small>	Letter Score
L E T T E R	S	sound, sound level, speech, spectrogram, soundproofing	snowbridge, stagnation, sérac, suncups, surge	species sub-super-	Josef Stefan, Joseph Swan, George Stokes, Willebrod Snell	siemens, sievert, stokes, Scoville, siegbahn, shannon, svedberg, sverdrup	
	G	gaussian noise, ground effect	ground moraine, geyser	genus, group, grandfamily, gigafamily, grandorder, gigaorder	Galileo Galilei, Carl Gauss	gallon, gauss, galileo, gilbert, gray	
	E	electret microphone, ear, echo	end moraine, equilibrium zone, esker, extending flow, erratic	epifamily	Leonard Euler, Roland Eötvös	electronvolt, eotvos, electron rest mass	
	V	vibration, volume	volume balance, valley train	variety	Alessandro Volta, Hermann von Helmholtz	volt	
	O	octave, omnidirectional microphone, oscillation, overtone	ogive, outburst flood, outwash, outwash plain	order	Hans Oersted, Georg Ohm	ohm, oersted	
Category Score							
<b>TOTAL LETTER SCORE</b>							
<b>TOTAL CATEGORY SCORE</b>							
<b>TOTAL SCORE</b>							