Page Keeley Probes TEKS Correlations

General Science

TEK	Book Title	Page Number	Probe Title
	Uncovering Student Ideas in Science Vol. 3	83-91	Is It a Theory?
6.2A, 7.2A, 8.2A Plan and implement comparative and descriptive investigations by making observations, asking well-defined questions, nd using appropriate equipment and technology.	Uncovering Student Ideas in Science Vol. 3	93-100	Doing Science
6.2B, 7.2B, 8.2B Design and implement experimental investigations by making observations, asking well-defined questioned, formulating testable hypotheses, and using appropriate equipment and technology.	Uncovering Student Ideas in Science Vol. 3	101-108	What is a Hypothesis?
6.3B, 7.3B, 8.3B Use models to represent aspects of the natural world such as an atom, a molecule, space, or a geologic feature.	Uncovering Student Ideas in Science Vol. 4	73-80	Is It a Model?
For Fun!	Uncovering Student Ideas in Science Vol. 4	105-111	Chicken Eggs
	Uncovering Student Ideas in Astronomy	11-14	Where Do People Live?
	Uncovering Student Ideas in Astronomy	15-19	Falling Through the Earth

6th Grade

TEK	Book Title	Page Number	Probe Title
6.5A Know that an element is a pure substance represented by chemical symbols			
6.5B Recognize that a limited number of the many known elements comprise the largest portion of solid Earth, living matter, oceans, and the atmosphere			
6.5C Differentiate between elements and compounds on the most basic level.			
Identify the formation of a new substance by using the evidence of a possible chemical change such as production of a gas, change in temperature, production of a precipitate, or color change.			
6.6A	Uncovering Student Ideas in Science Vol. 1	73-77	Is It Melting?
Compare metals, nonmetals, and	Uncovering Student Ideas in Science Vol. 1	79-84	Is it Matter?
metalloids using physical properties such as	Uncovering Student Ideas in Science Vol. 2	19-25	Comparing Cubes
luster, conductivity or malleability	Uncovering Student Ideas in Science Vol. 2	47-52	Turning the Dial
	Uncovering Student Ideas in Science Vol. 2	53-58	Boiling Time and Temperature
	Uncovering Student Ideas in Science Vol. 2	59-64	Freezing Ice
	Uncovering Student Ideas in Science Vol. 2	65-70	What's in the Bubbles?
	Uncovering Student Ideas in Science Vol. 3	25-31	Is It Solid?
	Uncovering Student Ideas in Science Vol. 3	39-44	Floating Balloon
	Uncovering Student Ideas in Science Vol. 3	45-50	Hot and Cold Balloons
	Uncovering Student Ideas in Science Vol. 3	163-169	Where Did the Water Come From?
	Uncovering Student Ideas in Science Vol. 4	11-16	Sugar Water
	Uncovering Student Ideas in Science Vol. 4	17-22	Iron Bar
6.6B	Uncovering Student Ideas in Science Vol. 2	27-32	Floating Logs
Calculate density to identify an unknown	Uncovering Student Ideas in Science Vol. 2	33-39	Floating High and Low
substance	Uncovering Student Ideas in Science Vol. 2	41-46	Solids and Holes
6.6C Test the physical properties of minerals including hardness, color, luster, and streak.			

6.7A	Uncovering Student Ideas in Science Vol. 4	143-149	Global Warming
Research and debate the advantages and	Uncovering Student Ideas in Science Vol. 4	151-156	Where Does Oil Come From?
disadvantages of using coal, oil, natural gas,	Oncovering student lucus in science voi. 4	151 150	Where Boes on come from:
nuclear power, biomass, wind, hydropower,			
geothermal, and solar resources			
6.7B			
Design a logical plan to manage			
energy resources I the home, school or			
community			
6.8A	Uncovering Student Ideas in Science Vol. 3	63-69	Apple on a Desk
Compare and contrast potential and kinetic			
energy.			
6.8B	Uncovering Student Ideas in Physical Science	23-26	Following Jack; Part 1
Identify and describe the changes in position,	Uncovering Student Ideas in Physical Science	27-30	Following Jack; Part 2
direction, and speed of an object when acted	Uncovering Student Ideas in Physical Science	31-34	Go-Cart Test Run
upon by unbalanced forces	Uncovering Student Ideas in Physical Science	43-46	Just Rolling Along
	Uncovering Student Ideas in Physical Science	71-74	Talking About Forces
	Uncovering Student Ideas in Physical Science	75-78	Does it Have To Touch?
	Uncovering Student Ideas in Physical Science	79-82	Force and Motion Ideas
	Uncovering Student Ideas in Physical Science	83-86	Friction
	Uncovering Student Ideas in Physical Science	87-89	A World Without Friction
	Uncovering Student Ideas in Physical Science	91-94	Rolling to a Stop
	Uncovering Student Ideas in Physical Science	95-97	Outer Space Push
	Uncovering Student Ideas in Physical Science	107-110	Apple in a Plane
6.8C	Uncovering Student Ideas in Physical Science	35-38	Checking the Speedometer
Calculate average speed using distance and	Uncovering Student Ideas in Physical Science	39-42	Speed Units
time measurements.		22.25	5 11
6.8D	Uncovering Student Ideas in Physical Science	23-26	Following Jack; Part 1
Measure and graph changes in motion.	Uncovering Student Ideas in Physical Science	27-30	Following Jack; Part 2
motion.	Uncovering Student Ideas in Physical Science	31-34	Go-Cart Test Run
	Uncovering Student Ideas in Physical Science	59-62	Rolling Marbles
6.8E	Uncovering Student Ideas in Physical Science	181-183	Pulley Size
Investigate how inclined planes and pulleys can	Uncovering Student Ideas in Physical Science	185-187	Rescuing Isabelle
be used to change the amount of force to move an object.	Uncovering Student Ideas in Physical Science	197-200	Lifting A Rock
6.9A	Uncovering Student Ideas in Science Vol. 1	73-77	Is It Melting?
Investigate methods of thermal	Uncovering Student Ideas in Science Vol. 1	103-108	The Mitten Problem
energy transfer including	Uncovering Student Ideas in Science Vol. 1	155-161	Wet Jeans
conduction, convection, and	Uncovering Student Ideas in Science Vol. 3	33-38	Thermometer
radiation.	Uncovering Student Ideas in Science Vol. 4	53-59	Warming Water
6.9B	Uncovering Student Ideas in Science Vol. 1	109-114	Objects and Temperature
Verify through investigations that thermal	Uncovering Student Ideas in Science Vol. 2	77-82	Ice-Cold Lemonade
energy moves in a predictable pattern from	Uncovering Student Ideas in Science Vol. 2	83-89	Mixing Water
warmer to cooler until all the substances attain	Uncovering Student Ideas in Science Vol. 4	45-51	Ice Water
the same temperature such as an ice cube			
melting			
6.9C			
Demonstrate energy transformations such as			
the energy in a flashlight battery changes from			
chemical			
energy to electrical energy to light energy.			
6.10A			
Build a model to illustrate the			
structural layers of Earth including the inner			
core, outer core, mantle, crust, asthenosphere,			
and lithosphere.			
6.10B	Uncovering Student Ideas in Science Vol. 2	151-156	Is It a Rock? (Version 1)
Classify rocks as metamorphic,	Uncovering Student Ideas in Science Vol. 2	157-163	Is It A Rock? (Version 2)
igneous, or sedimentary by the processes of			
their formation.			+
6.10C			
Identify the major tectonic plates including			
Eurasian, African, Indo-Australian, Pacific, North American, and South American.			
American, and South American.	Haracondra Charles Hillard Co.	465.476	NA:
		165-170	Mountaintop Fossil
6.10D	Uncovering Student Ideas in Science Vol. 2	100 17 0	
6.10D Describe how plate tectonics causes major	Oncovering Student ideas in Science Vol. 2	100 170	
6.10D Describe how plate tectonics causes major geological events, such as ocean basins,	Uncovering student ideas in Science Vol. 2	103 170	
6.10D Describe how plate tectonics causes major geological events, such as ocean basins, earthquakes, volcanic eruptions, and mountain building.	Uncovering student ideas in Science Vol. 2	255 276	

6.11A	Uncovering Student Ideas in Science Vol. 4	157-160	Where Would it Fall?
Describe the physical properties,	Uncovering Student Ideas in Astronomy	27-31	The Two Rs
locations, and movements of the Sun, planets,	Uncovering Student Ideas in Astronomy	33-36	Where Did the Sun Go?
Galilean moons, meteors, asteroids, and	Uncovering Student Ideas in Astronomy	51-54	What's Moving?
comets.	Uncovering Student Ideas in Astronomy	55-59	Pizza Sun
	Uncovering Student Ideas in Astronomy	61-64	How Far Away is the Sun?
	Uncovering Student Ideas in Astronomy	65-68	Sunspots
	Uncovering Student Ideas in Astronomy	147-152	What's Inside our Solar System?
	Uncovering Student Ideas in Astronomy	153-157	How Do Planets Orbit the Sun?
	Uncovering Student Ideas in Astronomy	185-188	Shooting Star
	Uncovering Student Ideas in Astronomy	189-192	Is the Sun a Star?
	Uncovering Student Ideas in Astronomy	199-202	Which is Bigger?
6.11B	Uncovering Student Ideas in Physical Science	157-161	Experiencing Gravity
Understand that gravity is the force that	Uncovering Student Ideas in Science Vol. 1	97-102	Talking About Gravity
governs the motion of our solar system.	Uncovering Student Ideas in Astronomy	139-142	Is the Moon Falling?
	Uncovering Student Ideas in Astronomy	171-175	Where do You Find Gravity?
	Uncovering Student Ideas in Astronomy	177-180	Gravity in other Planetary systems
6.11C	Uncovering Student Ideas in Astronomy	165-170	Human Space Travel
Describe the history and future of space	Oncovering Student lideas in Astronomy	103-170	Tiuman Space Traver
exploration including the types of equipment			
and transportation needed for space travel.			
6.12A	Uncovering Student Ideas in Life Science	39-44	Atoms and Cells
Understand that all organisms are composed of	Uncovering Student Ideas in Science Vol. 1	131-137	Is it Made of Cells?
one or more cells.	Uncovering Student Ideas in Science Vol. 2	137-142	Whale and Shrew
	Uncovering Student Ideas in Science Vol. 2	117-123	Cells and Size
6.12B	3	-	
Recognize the presence of a			
nucleus determines whether a cell is			
prokaryotic or eukaryotic.			
6.12C			
Recognize the broadest taxonomic classification			
of living organisms is divided into currently			
recognized Domains.			
6.12D			
Identify the basic characteristics of organisms,			
including prokaryotic or eukaryotic, unicellular			
or multicellular, autotrophic or heterotrophic,			
and mode of reproduction, that further classify			
them in the currently recognized Kingdoms.			
6.12E			
Describe biotic and abiotic parts of an			
ecosystem in which organisms interact			
6.12F			
Diagram the levels of organization within an			
ecosystem including organism, population,			
community, and ecosystem.			
community, and ecosystem.			

7th Grade

TEK	Book Title	Page Number	Probe Title
7.5A	Uncovering Student Ideas in Life Science	51-56	Chlorophyll
Recognize that radiant energy from the sun is	Uncovering Student Ideas in Life Science	57-62	Apple Tree
transformed into chemical energy through the	Uncovering Student Ideas in Life Science	63-68	Light and Dark
process of photosynthesis.	Uncovering Student Ideas in Life Science	69-74	Food for Corn (?)
	Uncovering Student Ideas in Science Vol. 2	107-111	Plants in the Dark and Light
	Uncovering Student Ideas in Science Vol. 2	113-119	Is it Food for Plants?
	Uncovering Student Ideas in Science Vol. 3	131-137	Respiration
7.5B	Uncovering Student Ideas in Science Vol. 3	139-145	Rotting Apple
Demonstrate and explain the cycling of matter within living systems, such as in the decay of biomass in a compost bin.	Uncovering Student Ideas in Science Vol. 3	147-154	Earth's Mass
7.5C Diagram the flow of energy through living systems including food chains, food webs and energy pyramids.			

7.6A	Uncovering Student Ideas in Science Vol. 2	121-128	Giant Seguoia Tree (?)
Identify that organic compounds contain carbon		121 120	Giant Bedadia 11 ee (1)
and other elements such as hydrogen, oxygen,			
phosphorous, nitrogen or sulfur.			
7.6B			
Distinguish between physical and chemical			
changes in matter in the digestive system.			
7.6C			
Recognize how large molecules are broken			
down into smaller molecules, such as			
carbohydrates can be broken down into sugars.			
7.7A Contrast situations where work is done with			
different amounts of force			
7.7B			
Illustrate the transformation of energy within			
an organism such as the transfer from chemical			
energy to heat and thermal energy indigestion			
7.7C			
Demonstrate and illustrate forces that affect			
motion in everyday life, such as emergence of			
seedlings, turgor pressure, and geotropism.			
7.8A			
Predict and describe how different types of			
catastrophic events impact ecosystems, such as			
floods, hurricanes, or tornadoes.			
7.8B	Uncovering Student Ideas in Science Vol. 1	163-168	Beach Sand
Analyze the effects of weathering, erosion, and	Uncovering Student Ideas in Science Vol. 1	169-175	Mountain Age
deposition on the environment in ecoregions of			
Texas			
7.8C			
Model the effects of human activity on ground			
water and surface water in a watershed.			
7.9A			
Analyze the characteristics of objects in our			
solar system that allow life to exist such as the proximity of the Sun, presence of water, and			
composition of the atmosphere.			
7.9B			
Identify the accommodations, considering the			
characteristics of our solar system, that enabled			
manned space exploration			
7.10A			
Observe and describe how different			
environments, including microhabitats in			
schoolyards and biomes, support different			
varieties of organisms.			
7.10B			
Describe how biodiversity contributes to the			
sustainability of an Ecosystem			
7.10C			
Observe, record, and describe the role of			
ecological succession such as in a microhabitat			
of a garden with weeds.			
7.11A			
Examine organisms or their structures, such as insects or leaves, and use dichotomous keys for			
identification			
7.11B	Uncovering Student Ideas in Life Science	103-107	No More Plants
Explain variation within a population or species	Uncovering Student Ideas in Science Vol. 4	113-118	Adaptation
by comparing external features, behaviors, or	Uncovering Student Ideas in Science Vol. 4 Uncovering Student Ideas in Science Vol. 4	119-124	Is It "Fitter"?
physiology of organisms that enhance their	Oncovering Student lideas in Science vol. 4	113-124	isit litter:
survival such as migration, hibernation, or			
storage of food in a bulb.			
7.11C			
Identify some changes in genetic traits that can			
have occurred over several generations through			
natural selection and selective breeding such as			
the Colombia Medium Consumd Finals (Consuma		l l	· · · · · · · · · · · · · · · · · · ·
the Galapagos Medium Ground Finch (<i>Geospiza fortis</i>) or domestic animals.			

7.12A	Uncovering Student Ideas in Science Vol. 4	119-124	Is It "Fitter"?
Investigate and explain how internal structures of organisms have adaptations that allow	Uncovering Student ideas in Science vol. 4	119-124	isit ritter :
specific functions, such as gills in fish, hollow			
bones in birds, or xylem in plants.			
7.12B	Uncovering Student Ideas in Life Science	141-144	Human Body
Identify the main functions of the systems of	Uncovering Student Ideas in Life Science	145-150	Human Excretory System
the human organism including the circulatory, respiratory, skeletal, muscular, digestive,	Uncovering Student Ideas in Science Vol. 4	131-136	Digestive System
excretory, reproductive, integumentary,			
nervous, and endocrine system.			
7.12C	Uncovering Student Ideas in Life Science	39-44	Atoms and Cells
Recognize levels of organization in plants and	Uncovering Student Ideas in Science Vol. 1	139-145	Human Body Basics (about cells)
animals including cells, tissues, organs, organ	Uncovering Student Ideas in Science Vol. 3	117-123	Cells and Size
systems, and organisms	Uncovering Student Ideas in Science Vol. 3	125-130	Sam's Puppy (?)
7.12D	Gillegrei in gettadent ideas in estence reine	120 100	cam st appy (t)
Differentiate between structure and function in			
plant and animal cell organelles including cell			
membrane, cell wall, nucleus, cytoplasm,			
mitochondrion, chloroplast, and vacuole			
7.12E			
Compare the functions of a cell to the functions			
of organisms such as waste removal			
7.12F	Uncovering Student Ideas in Life Science	63-68	Light and Dark
Recognize that according to cell theory all	Uncovering Student Ideas in Science Vol. 1	131-137	Is it Made of Cells?
organisms are composed of cells and cells carry	Uncovering Student Ideas in Science Vol. 3	125-130	Sam's Puppy (?)
on similar functions such as extracting energy			
from food to sustain life.			
7.13A			
Investigate how organisms respond to external stimuli found in the environment such as			
phototropism and fight or flight			
7.13B			
Describe and relate responses in organisms that			
may result from internal stimuli such as wilting			
in plants and fever or vomiting in animals that			
allow them to maintain balance.			
7.14A	Uncovering Student Ideas in Life Science	135-139	Eye Color
Define heredity as the passage of genetic	Uncovering Student Ideas in Science Vol. 2	129-136	Baby Mice
instructions from one generation to the next			
generation.			
7.14B			
Compare the results of uniform or diverse			
offspring from sexual reproduction or asexual			
reproduction.			
7.14C	Uncovering Student Ideas in Life Science	129-133	DNA, Genes, and Chromosomes
Recognize that inherited traits of individuals are			
governed in the genetic material found in the			
genes within the chromosomes in the nucleus.			
Living – vs – Nonliving, Needs of Living Things	Uncovering Student Ideas in Life Science	9-14	Cucumber Seeds
	Uncovering Student Ideas in Science Vol. 1	123-130	Is It Living?
	Uncovering Student Ideas in Science Vol. 1	147-153	Functions of Living Things
	Uncovering Student Ideas in Science Vol. 2	101-106	Needs of Seeds

8th Grade

TEK	Book Title	Page Number	Probe Title
8.5A	Uncovering Student Ideas in Science Vol. 3	17-23	Pennies
Describe the structure of atoms including the masses, electrical charges and locations of protons and neutrons in the nucleus and electrons in the electron cloud.	Uncovering Student Ideas in Science Vol. 4	39-43	Salt Crystals
8.5B Identify that protons determine an element's identity, and valence electrons determine the chemical properties including reactivity.			

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8.5C			
Interpret the arrangement of the Periodic Table			
including groups and periods, to explain how properties are used to classify elements.			
8.5D Recognize that chemical formulas are used to			
identify substances and determine the			
number of atoms of each element in chemical			
formulas containing subscripts.		74 75	
8.5E	Uncovering Student Ideas in Science Vol. 2	71-75	Chemical Bonds
Investigate how evidence of chemical reactions indicates that new substances with different			
properties are formed.			
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8.5F	Uncovering Student Ideas in Science Vol. 1	49-54	Ice Cubes in a Bag
Recognize whether a chemical equation	Uncovering Student Ideas in Science Vol. 1	55-60	Lemonade
containing coefficients is balanced or not and how that relates to the law of conservation of	Uncovering Student Ideas in Science Vol. 1	61-65	Cookie Crumbles
mass.	Uncovering Student Ideas in Science Vol. 1	67-72	Seedlings in a Jar
mass.	Uncovering Student Ideas in Science Vol. 1	91-96	The Rusty Nails
	Uncovering Student Ideas in Science Vol. 4	23-29	Burning Paper
	Uncovering Student Ideas in Science Vol. 4	31-37	Nails in a Jar
8.6A	Uncovering Student Ideas in Physical Science	43-46	Jut Rolling Along
Demonstrate and calculate how unbalanced	Uncovering Student Ideas in Physical Science	79-82	Force and Motion Ideas
forces change the speed or direction of an	Uncovering Student Ideas in Science Vol. 3	63-69	Apple on a Desk
object's motion.			
8.6B	Uncovering Student Ideas in Physical Science	47-50	Crossing The Finish Line (?)
Differentiate between speed, velocity, and	Uncovering Student Ideas in Physical Science	51-54	NASCAR Racing
acceleration	Uncovering Student Ideas in Physical Science	55-58	Roller Coaster Ride
8.6C	Uncovering Student Ideas in Physical Science	99-102	Riding in the Parade
Investigate and describe applications of	Uncovering Student Ideas in Physical Science	111-114	Ball on a String
Newton's law of inertia, law of force and	Uncovering Student Ideas in Physical Science	115-118	Why Things Fall
acceleration and law of action-reaction, such as	Uncovering Student Ideas in Physical Science	119-122	Pulling on a Spool
in vehicle restraints, sports activities,	Uncovering Student Ideas in Physical Science	123-125	Lifting Buckets
amusement park rides, Earth's tectonic	Uncovering Student Ideas in Physical Science	127-130	Finger Strength Contest
activities, and rocket launches	Uncovering Student Ideas in Physical Science	131-134	Equal and Opposite
	Uncovering Student Ideas in Physical Science	135-137	Riding in a Car
	Uncovering Student Ideas in Physical Science	167-170	Free-Falling Objects
	Uncovering Student Ideas in Science Vol. 3	71-76	Rolling Marbles
	Uncovering Student Ideas in Science Vol. 3	77-82	Dropping Balls
0.74	ŭ		
8.7A	Uncovering Student Ideas in Science Vol. 2	171-176	Darkness at Night
Model and illustrate how the tilted Earth	Uncovering Student Ideas in Science Vol. 3	177-184	Summer Talk
rotates on its axis, causing day and night, and	Uncovering Student Ideas in Astronomy	21-25	What Causes Day and Night?
revolves around the sun causing changes in seasons.	Uncovering Student Ideas in Astronomy	69-74	Shorter Days in Winter
	Uncovering Student Ideas in Astronomy	79-83	Why is it Warmer in Summer?
8.7B	Uncovering Student Ideas in Science Vol. 1	177-181	Gazing at the Moon
Demonstrate and predict the sequence of	Uncovering Student Ideas in Science Vol. 1	183-187	Going through A Phase
events in the lunar cycle.	Uncovering Student Ideas in Science Vol. 4	161-165	Moonlight
	Uncovering Student Ideas in Astronomy	91-94	Seeing the Moon
	Uncovering Student Ideas in Astronomy	99-102	Does the Moon Orbit the Earth?
	Uncovering Student Ideas in Astronomy	103-107	Earth or Moon Shadow?
	Uncovering Student Ideas in Astronomy	119-122	Moon Spin
	Uncovering Student Ideas in Astronomy	123-126	Chinese Moon
	Uncovering Student Ideas in Astronomy	127-130	Crescent Moon
	Uncovering Student Ideas in Astronomy	131-134	How Long is a Day on the Moon?
	Uncovering Student Ideas in Astronomy	135-138	Does the Earth Go Through Phases?
	<u> </u>		110
8.7C			
Relate the position of the Moon and Sun to			
their effect on ocean tides.			
8.8A	Uncovering Student Ideas in Science Vol. 2	177-182	Emmy's Moon and Stars
Describe components of the universe including	Uncovering Student Ideas in Science Vol. 3	191-196	Where Do Stars Go?
stars, nebulae and galaxies, and use models	Uncovering Student Ideas in Astronomy	159-163	Is It a Planet or a Star?
such as the Herztsprung -Russell diagram for	Uncovering Student Ideas in Astronomy	193-197	Where are the Stars in Orion?
classification	Uncovering Student Ideas in Astronomy	203-207	What are Stars Made of?
	Uncovering Student Ideas in Astronomy	209-213	What Happens to Stars When They
			Die?
	Uncovering Student Ideas in Astronomy	215-218	Do Stars Change?
	Uncovering Student Ideas in Astronomy	227-232	What is the Milky Way?
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8.8B	Uncovering Student Ideas in Astronomy	33-36	Where Did the Sun Go?
Recognize that the Sun is a medium-sized star	Uncovering Student Ideas in Astronomy	61-64	How Far Away is the Sun?
near the edge of a disc-shaped galaxy of stars	Uncovering Student Ideas in Astronomy	189-192	Is the Sun a Star?
and that the Sun is many thousands of times			
closer to Earth than any other star.			
8.8C			
Explore how different wavelengths of the			
electromagnetic spectrum such as light and			
radio waves are used to measure distances and			
sizes in the universe.			
8.8D	Uncovering Student Ideas in Astronomy	223-226	Seeing Into the Past
Model and describe how light years are used to			
measure distances and sizes in the universe.			
8.8E	Uncovering Student Ideas in Astronomy	233-237	Expanding Universe
Research how scientific data are used as	Uncovering Student Ideas in Astronomy	239-244	Is the Big Bang "Just a Theory"?
evidence to develop scientific theories to			
describe the origin of the universe			
8.9A			
Describe the historical development of			
evidence that supports plate tectonic theory.			
8.9B			
Relate plate tectonics to the formation of			
crustal features.			
8.9C			
Interpret topographic maps and satellite views to identify land and erosional features and			
predict how these features may be reshaped by			
weathering.			
8.10A			
Recognize that the Sun provides the energy that			
drives convection within the atmosphere and			
oceans, producing winds and ocean			
currents.			
8.10B	Uncovering Student Ideas in Science Vol. 3	171-176	Rainfall
Identify how global patterns of atmospheric	oncovering student lucus in science vol. s	1/1 1/0	Kumun
movement influence local weather using			
weather maps that show high and low			
pressures and fronts.			
8.10C			
Identify the role of the oceans in the formation			
of weather systems, such as hurricanes.			
8.11A	Uncovering Student Ideas in Life Science	85-89	Is It a Consumer?
Describe producer/consumer, Predator / prey,	_		
and parasite/host relationships as they occur in			
food webs in marine, freshwater and			
terrestrial ecosystems			
8.11B			
Investigate how organisms and populations in			
an ecosystem depend on and may compete for			
biotic and abiotic factors such as quantity of			
light, water, range of temperatures, or soil			
composition.			
8.11C	Uncovering Student Ideas in Life Science	103-107	No More Plants
Explore how short and long-term	Uncovering Student Ideas in Life Science	109-115	Changing Environment
environmental changes affect organisms and	Uncovering Student Ideas in Science Vol. 2	143-148	Habitat Change
traits in subsequent populations.	Uncovering Student Ideas in Science Vol. 4	113-118	Adaptation
8.11D			
Recognize human dependence on ocean			
systems and explain how human activities such			
as run off, artificial reefs, or use of resources			
have modified these systems.			
Miscellaneous – Chemistry	Uncovering Student Ideas in Science Vol. 1	85-90	Is It Made of Molecules?
Miscellaneous – Astronomy	Uncovering Student Ideas in Science Vol. 2	185-190	Objects in the Sky
	Uncovering Student Ideas in Science Vol. 4	167-171	Lunar Eclipse
	Uncovering Student Ideas in Science Vol. 4	173-177	Solar Eclipse
	Uncovering Student Ideas in Astronomy	219-222	Are We Made of Star Stuff?