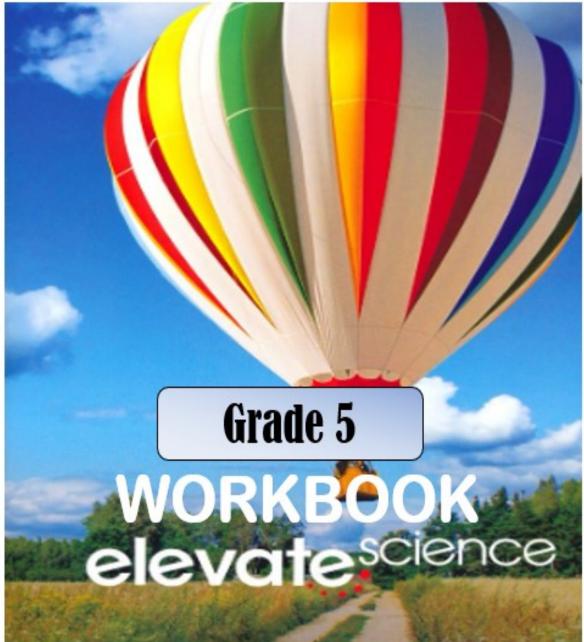






#### AL NOOR INTERNATIONAL SCHOOL





: 	Name:
: 	Grade : Section :
: 	Academic Year:

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# WORKBOOK CHECKLIST



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Topic 9: Matter and Energy in Ecosystems				
LESSON 1	pp. 43-44			

Part 1	
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Name:	Date:
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#### **Lesson 1: Observe Matter** (use with pages 6-15)

ſ	$\mathbb{T}$

#### Words to Know: Write the word next to the description it matches.

<b>)</b>	solubility	measure	observe
1.		_ is the proce	ss you use your senses to gather
2.		_ is a propert	y of material that refers to how well it
3.	dissolves in another material.	_ is comparin	g a property to a standard unit, or value
	for that property.		
True	e or False: Write T if the stateme	ent is correct o	and F if not, then correct the mistake:
_	1. Pound is a unit used t	to measure th	e distance between two points.
_ exa	2. Using standard units ct amount you refer to.	means that so	omeone else will be able to know the
	3. The measure of how	much space a	material takes up is called "volume".
	4. all substances have th	ne same solub	ility in water at same temperature.
 desd	5. when you observe sor cribe what you observed.	mething, you d	can use the information you gather to
 ligh	6. If you connect the bat twill turn on.	tery and light	with string instead of copper wire, the





was so thick and d	lid not form properl	y in the cup, her	ome flour with cold we mother advised he bility? Think of anot	r heat up the



Name:				Date:		Part 1
Lesson 2	: Model Mat	<b>ter</b> (use with page	es 16 – 25)			
и	Vords to Know	: Write the word	I next to the desc	ription it mat	ches.	
	Atom	Molecule	Atomic The	ory co	ompound	
1.	The atoms f d	ifferent elements	are joined togetl	her in a particı	ular way to f	orm a
calle	ed a		oound that still ho			
3.	The smallest p	art of an elemen	t that still has the	e properties of	<sup>f</sup> an element	is called an
	. The idea tha	t everything is m	 ade of small parti 	cles is known	as	
	e or False: Wri ect the mistal		nent is correct an	d F if not, the	<u>n</u>	an experiment
	1.	The atom <b>can</b> be	seen with a regu	lar microscope 	2. <u> </u>	22
_	2. Th	e water molecule	e is made out of h	ydrogen and c	oxygen atom	S. 
	3. Ch	anging the kinds	of atoms in a mo	olecule result in	n a different	molecule. 
_	4. Ev	en when mixed, e	elements and mo	lecules still kee	ep their uniq	ue properties. 
a ne	5. If we compound.	we replace the at	toms that form w	ater, hydroger	n and oxygen	_ n, we will have

\_\_ 6. When we dissolve spoon of sugar in water, that mean the sugar disappeared

and can't be restored again.



Is a compound simply a mixture of two or more elements? explain?						



Name:	·		Part 1
Lesson	3: Properties of Matte	(use with pages 26 – 31)	
	Words to Know: Write the	e word next to the descript	tion it matches.
	mass	temperature	volume
1. 2. 3.	<del></del>	is the amount of is the measure of is the measure of is the amount of	how fast the particles move.
	True or False: Write T if th	he statement is correct and	d F if not.
1.	Gases <u><b>do not</b></u> have	e any color.	
2.	Graduated cylinde	r is used <u>to find the volume</u>	e of a liquid.
<i>3.</i> <sub>.</sub>	Sandpaper has a <u>r</u>	ough texture.	
	Explain: write your answ	er on the space provided.	
	4. why might scientists object?	measure the mass of an ob	nject rather than the weight of an
5.	. what do you know for cer	tain about the particles the	at make up a very hot liquid?

6. you have been given an orange liquid and told to describe its properties. What methods would you use to observe, measure, and describe the physical properties of this orange liquid without changing it?



Part	2
------	---

		Part 2
Name:	Date:	

n 1: S	tates of Matte	(use with pages 48	3 – 55)		
<u>Wa</u>	ords to Know: W	rite the word next t	to the descr	iption it matches.	
<b>b</b>	solid	liquid		gas	
1		a subs	stance that	has a definite shap	e and volume.
2		a subs	stance with	out a definite shape	e or volume.
3 shape.		a subs	stance that	has a definite volur	ne but no defin
•	ıe or False: Writ	e T if the statement	is correct o	ınd F if not, then co	orrect the misto
<b>)</b>	1. Water	has more than thre	<b>ee</b> forms.		
	2. The pa	erticles of the gases <u>o</u>	are far apaı	<u>t</u> from each other.	·
	3. Boiling	point of a liquid is <b>t</b>	the tempero	nture at which it oc	ccurs.
	4. There	e are <b>three</b> states of	matter: soli	d, liquid, and gas.	
	5 Dew f	forming on grass is	s an exam	ple of condensa	tion



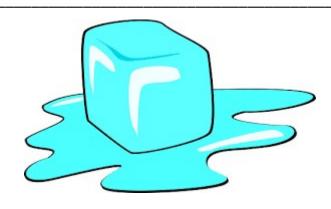


1.	Look at the illustration. What causes the phase change of water shown in th
illu	tration? How do you know?

Name	Part 2
Lesson	2: Physical Changes (use with pages 56–63)
	Words to Know: Write the word next to the description it matches.
	Physical change Establish
for	Is a change in some properties of matter that does not matter that does not matter that does not like.
2	to demonstrate or show something.
Д	True or False: Write T if the statement is correct and F if not, then correct the mistake:
	1. Breaking a glass is a <b>Physical change</b> .
We	2. The railroad track appears to be warped or bent because of the <b>Train</b> eight
on	3. If the temperature of a liquid is high enough, particles will change to a gas ly at the surface, but also throughout the liquid.
_	4. A physical change occurs when matter changes state, as from a liquid to a gas
 th	5. When the temperature gets cold enough, the particles can only vibrate in place, ey cannot slide past each other so the liquid becomes a solid.



1. what clued could tell you if physical change has occurred in a substance?					



Name:	Date:	

# **Lesson 3: Chemical Changes** (use with pages 64 – 73)



Chemical change	Conservation of matter	Rust	<b>Chemical reaction</b>
1	a new substan	ce that res	ults when iron is left outsi
	a change in wl utter with different properties.	nich one or	more types of matter cha
• • •	is when you ob	serve one	or more substances chang
4	is a law states s of the matter does not chang	that in any ge.	v chemical change or physi
True or False: Wr	ite T if the statement is correc	t and F if r	<u>not.</u>
1. Freezir	ng is a <b>Chemical change.</b>		
			·
2. Chemic	cal changes <b>can happen only c</b>	it high ten	nperatures
	cal changes <b>can happen only c</b> mical changes occur <b>really fas</b>		nperatures
3. All Che		it.	·



	1.What are the differences between the chemical change and physical change?						
_							
_							

Name:		Date:	Part 2
Lesson 4: Mixtures a	<b>nd Solutions</b> (us	se with pages 78 – 85)	
Words to Know	v: Write the word	I next to the description it matches.	<u>-</u>
	Mixture	Solution	
1and do not settle to	o the bottom of th	_ is a mixture in which substances ar he container.	re spread out evenly
2 each material in th	ne mixture keeps i	_ is when different materials are pla ts own properties.	ced together, but
		ement is correct and F if not.  re can be easily separated from the	rest of the mixture. 
2. Tř	ne substance that	in <b>dissolved in a solution is called t</b> i	he solute.
3. A	<b>ll solutions</b> are m	ade by dissolving a solid in a liquid.	
4. A g	as cannot be diss	olved in a liquid.	



\_5. If someone mixed sugar with salt, he cannot separate it easily.



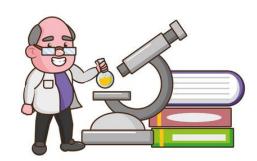
to separate a solution, you have to cause a physical change to one or more of its components, explain how?



Nan	ne:	Date: _	
<b>Lesson</b>	1: Geosphere and Biospher	<b>'e</b> (use with pages 102 – 109)	
	Words to Know: Write the wo	ord next to the description it	matches.
	Lithosphere	Biosphere	Geosphere
4.	including humans.	is an earths system tha	
5.	sediments.	is the earth system that	includes rocks, soil, and
6.	includes the crust and the ou	is made up of the outer, ter, rigid part of the mantle.	rocky parts of earth and
	True or False: Write T if the s		
_		n be found <u>in the biospher</u> ciers and oceans are part o	
_	3. Air, water, and the	e sun are nonliving, but <u><b>they</b></u>	are part of the geosphere.
of ti	4. The lithosphere is r he ocean.	not only the outer layer of lar	nd, it also <u>forms the bottom</u>
	Tell if statement is TRUE or FA	ALSE. Explain your choice.	
	1. The biosphere is able to	o support so many kinds of liv	ving things.
	This statement is	because	
2	2. If a part of a system is dam work at all.	aged or missing, the system	will not as well-or may not
	This statement is	because	




1. Explain how each of earths four spheres contributes to the existence of life.						



Name:	Date:

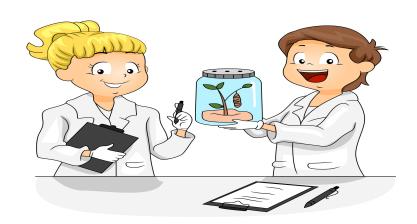
# **Lesson 2: Hydrosphere and Atmosphere** (use with pages 110 –119)

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	9	

hydrosphere	atmosphere	distinguish
•	is the layer of mixe	ed gases that surrounds earth.
	is all the water or	n, under, or above earth's surface.
	to make a clear d	ifference.
<u>True or False: Write T</u>	if the statement is correct and	d F if not. do an experiment
1. Nitrogen atmosphere.	and oxygen_are the main go	ases in the
2. the atmo	sphere allows all kinds of rays i	to pass through.
3. an examp	ole of hydrosphere and atmosp	here working together is a hurricai
4. The hydro	osphere is made up of mostly fr	resh water.
5. Earths sp	heres do not interact with one	another.
6. Sunburn l	is actually caused by ultrasound	d.
7. The pressu	re of the air affects the kind of	f precipitation that will fall.

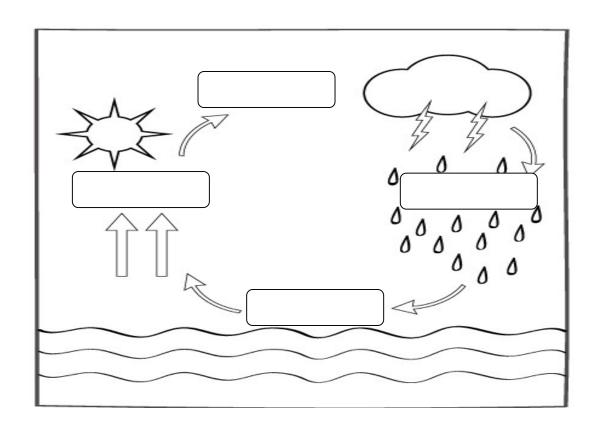


an	1.Think of an i d describe it yo		tween lithos	phere, atmos	phere, hydrosp	here, biosphere
_		<b>,</b> .				
_						



Name	:	Date:	Part 4
Lesson	1: water cycle (use with pages 14	14– 153)	
		next to the description it matches.	
		<b>sation evaporation w</b> o	•
2	·	_ is the change from water vapor to	o liquid water.
;	3	_ is the continuous movement of wa	iter on Earth.
4	1	_ water falls in clouds as rain, snow,	sleet, or hail.
	True or False: Write T if the state	ement is correct and F if not.	
	1. Sleet is a <b>type of p</b>	precipitation.	
	2. Hail <b>develops</b> in fr	eezing temperature.	* * * *
	3. Water cycle <b>can a</b>	<b>iffect</b> the climate.	
	Explain: Tell if each statement i	is true or false. Explain your choid	<u>ce.</u>
1.	The water cycle is the result of	weather and climate.	
	This statement is	because	
2.	Temperature has no effect on v	vater's phase.	
	This statement is	•	





collection precipitation condensation evaporation

Name	::	Date	Part 4		
Lesson	Lesson 2: Earth's Freshwater (use with pages 154 – 161)				
	Words to Know: Write the v	word next to the descriptio	n it matches.		
	Aquifer	Glacier	Reservoir		
1		is a slowly moving body	of ice on land.		
2		is underground water su	ipplies.		
3		is places to collect and st	tore water.		
	True or False: Write T if the	statement is correct and F	if not.		
1. Water <u>covers most</u> of the Earth's surface.					
	2. <u>All</u> of the Earth's water <u>is fresh water</u> .				
	3. Water in the rive	er <b>moves downhill.</b>			
	Tell if statement is TRUE or an analysis of the water on	FALSE. Explain your choice Earth is ready to drink.	<u>2.</u>		
	This statement is	because			
2.	Ocean water, river water, o				





straight from a river and put into the bottle. Is he telling the truth?	₹N



Name	?:		Date:	
Lesson	3: Earths Ocean (use with pages	s 162 – 173)		
	Words to Know: Write the wor	d next to the des	cription it matches.	
	Circulation	Tides	Salinity	
	1	_ is the rising an	d falling patterns caused	d by the pull of
•	avity. 2	_ is the amount o	of salt dissolved in water	r.
3	3	_ is a swirling mo	otion of ocean water arc	ound the globe.
Д	True or False: Write T if the sta	tement is correct	t and F if not.	
fre	1. The hydrosphere co	an be divided into	two main sections, salt	water and
·	2. Deep ocean water r	eceives more sun	light than surface water	·.
	3. Surface currents ar	e caused by wind	'.	
Д	Tall if abota was a to TDUE and EAL		t	
	Tell if statement is TRUE or FAL		<u>cnoice.</u>	
	1. all oceans have the same sali	,		
	This statement is	because _		
	2 animals living in the occan su	uffor when oil soo		
	2. animals living in the ocean su	ijjer when on cod	is the water.	
	This statement is	because _		




		Part 6
Name	:	Date:
Lesson	1: Brightness of the sun	and other stars (use with pages 236 – 245)
Д		
	Words to Know: Write the	word next to the description it matches.
	Star	solar flares
	rticles to explode into outer sp	is when energy heats the sun so much that it causes pace.
2	2	Is a huge ball of very hot matter that gives off energy.
		,
	<u>Tell if statement is TRUE or</u>	FALSE. Explain your choice.
	1. The sun is one of the larg	
		Il be brighter than stars that are not as hot.  because



Explain.	ne spot?

Name:			Date:	
Lesson 2: Inner Solar System (use with pages 246 – 254)				
Words	s to Know: Wri	te the word next to the c	description it matches.	
	Moon	Solar system	Inner planets	Orbit
1		A natural c	bject that revolves arou	ınd a planet
2		The four clo	osest planets to the sun.	
	teroids, and co		f eight planets and the su	n along with
4. <u> </u>		the curved po	ath of an object around a	star, a planet, or
True or	False: Write 1	if the statement is corre	ect and F if not.	
	1. There o	are <u><b>10 planets</b> r</u> evolving	around the sun.	
	2. Objects	in the solar system <u>do</u> i	not stay in their orbits.	
	3. Venus is	the <b>f<u>ourth planet</u></b> in th	e solar system.	
1. The ford	ce of Earth's gr	RUE or FALSE. Explain yo ravity keeps Earth in its or because		



	Apply Concepts
•	1. How is Mercury different from the other inner planets?
-	
-	
-	
	2. What causes Venus to be one of the brightest objects in the night sky?

e:	Date:	:	
3: Outer solar system use w	rith pages 254 – 261)		
Words to Know: Write the wo	rd next to the description	<u>it matches.</u>	
Outer planet	asteroid	comet	
	1. is chunks of ice and dust	or rock that have stretched-out	
	2. is chunk of rock that med	asures in size from meter to	
3.	The four planets in our sol	lar system beyond Mars.	
True or False: Write T if the sto	atement is correct and F if	not.	
1. Jupiter has only o	ne moon.		
2. Uranus rotates to its side.			
3. Several probes have been sent to explore the outer planets.			
Tell if statement is TRUE or FA	ALSE. Explain your choice.		
1. Saturn is the only planet th	hat has rings that orbit it.		
This statement is	because		
2. Jupiter has a longer day the	an Earth.		
This statement is	because		
	Words to Know: Write the wood Outer planet  Thits around the sun  2. Veral kilometers in diameter.  3. True or False: Write T if the state  1. Jupiter has only of  2. Uranus rotates to  3. Several probes has  Tell if statement is TRUE or FA  1. Saturn is the only planet the This statement is  This statement is  2. Jupiter has a longer day the	3: Outer solar system use with pages 254 – 261)  Words to Know: Write the word next to the description Outer planet asteroid  1. is chunks of ice and dust bits around the sun 2. is chunk of rock that med everal kilometers in diameter.  3. The four planets in our solution True or False: Write T if the statement is correct and F if 1. Jupiter has only one moon. 2. Uranus rotates to its side.	



1. Study the picture.	Which planet is shown? Describe three characteristics of this
nlanet.	

- 2. Enumerate the 8 planets starting nearest from the Sun.
- 1. \_\_\_\_\_ 5. \_\_\_\_
- 2. \_\_\_\_\_\_ 6. \_\_\_\_\_
- 3. \_\_\_\_\_\_ 7. \_\_\_\_\_
- 4. \_\_\_\_\_\_ 8. \_\_\_\_



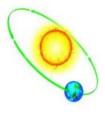
Words to know: Write the word next to the description it matches.    Gravity   Exert		Date://		e:	Nam
		e with pages 278-283)	vitational Force (us	n 1: Earth (	esso:
		the description it matches.	Vrite the word next to	Words to kno	
		Exert	Gravity		
TRUE or FALSE: Write T if the statement is correct and F if not.		rength or effort.	1. To apply st		
		it pulls objects toward each other	2. A force the		
gravitational forces that you can feel.		is correct and F if not.	rite T if the statement	TRUE or FALSI	
3. the gravity of the sun holds Earth and other objects in space in orbits.  Explain: Tell if each statement is true or false. Explain your choice. Give an example.  1. Gravity is a constant force. It cannot be "turned off," even when objects rise.  This statement is because			-	1.	-
Explain: Tell if each statement is true or false. Explain your choice. Give an example.  1. Gravity is a constant force. It cannot be "turned off," even when objects rise.  This statement is because		s objects toward Earth's center.	h's gravity always pulls	2.	_
<ul> <li>example.</li> <li>1. Gravity is a constant force. It cannot be "turned off," even when objects rise.</li> <li>This statement is</li> <li>because</li> </ul>	า their	Earth and other objects in space	, , ,	3.	-
<ol> <li>Gravity is a constant force. It cannot be "turned off," even when objects rise.</li> <li>This statement is</li> <li>because</li> </ol>	<u>1</u>	false. Explain your choice. Give o	h statement is true or		
because	float d	be "turned off," even when object	nstant force. It cannot i	1. Gravity is a	
<del></del>				This stateme	
<del></del>				because	
2. Everything that has mass <u>exerts</u> , or applies, an electrical force on other ob	 jects.	olies, an electrical force on other o	nas mass <u>exerts</u> , or app	 2. Everything ti	2
This statement is				his statement i	Tł
because				because	



-	nignt scientists r object? Explain.	neusure the h	riuss of all obje	ect ratifer than t	ne weight

ne:		Date:/	
n 2: Earth`s mo	vements in Space	(use with pages 284-293)	
Words to know: W	rite the word next to	the description it mate	ches.
axis	revolution	rotation	pattern
man	2. An imagind ct. 3. Objects or ner. 4. One whole	ary line that goes throu	gh the center of an
	-		change.
	<b>r answer on the space</b> he sun in a circular pa		
	n 2: Earth`s mo  Words to know: W  axis  object  man.  TRUE or FALSE: Write 1. Earth is1. One rot3. The num	Mords to know: Write the word next to  axis revolution  1. One full ord 2. An imaginal object.  3. Objects or a manner.  4. One whole  TRUE or FALSE: Write T if the statement is well.  2. One rotation of the earth is well.  3. The number of daylight hours	n 2: Earth's movements in Space. (use with pages 284-293)  Words to know: Write the word next to the description it mate  axis revolution rotation  1. One full orbit of an object around  2. An imaginary line that goes through object.  3. Objects or events that occur in the

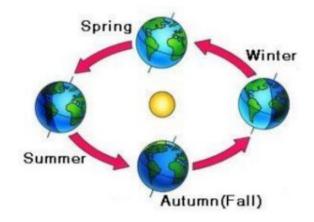
2. During the day, the sun	appears to move across the sky because of Earth
revolution.	
This statement is	because





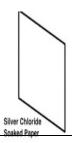
## Apply concepts

1. Explain what causes Earth's seasons, even though Earth is always tilted the same way during its revolution around the sun.



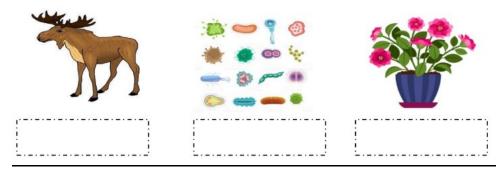
ne:				Date:	/_	/	, 		
n 3: Pattern	s over Time?	(use with page	es 294-30	)5)					. <b>-</b>
Words to know	v: Write the wor	d next to	the des	scriptio	n it ma	itche	?s.		
	shado	w	CC	onstello	ation				
	1. /	A dark are	ea or sh	аре то	ade by (	an o	bjec	t or org	anis
	blocking a source	e of light.							
	2. 11	maainarv l	picture	es forme	ed bv st	tars i	that	t are use	d to
	2. II help identify stai	maginary <sub>l</sub> rs.	picture	es form	ed by st	tars i	that	are use	d to
	————— help identify stai	rs.		·	ŕ		that	are use	d to
<u>TRUE or FALSE</u> 1.	help identify star : Write T if the star A larger shadow	rs. tatement i w will fron	is corre	ect and	F if no	<u>t.</u>	that	are use	d to
<u>TRUE or FALSE</u> 1.	help identify star	tatement in which we will from the source.	<b>is corre</b> n if you	ect and	F if no	<u>t.</u>	that	are use	d to
TRUE or FALSE        1.        2.        3.	help identify star  : Write T if the star  A larger shadow closer to the ligh	tatement of which we will from the source.  Inger at now are farthe	is corre	ect and I move	<b>F if no</b>	<u>t.</u> ect		are use	d to
TRUE or FALSE        1.        2.        3.	help identify star  : Write T if the star  A larger shadow closer to the ligh the shadow is low than that the shadow is low than that the shadow is that the shadow is that the shadow is low than the shadow is low the shadow	tatement of which we will from the source.  Inger at now the are farther er.	is corre	ect and I move The sur	<b>F if no</b> the obj	<u>t.</u> ect Earth	7		d to
TRUE or FALSE123.  Explain: Tell if example.  1. An object to	help identify star : Write T if the star A larger shadow closer to the ligh The shadow is low Many stars that ware much brighte	tatement of which we will from the source. In a source at no are farthed er.  Is true or the	is corre	ect and I move The sur	the obj	<u>t.</u> Earth	n ee. <b>G</b>	ive an	





This statemen	nt isbecause	
Tins statemen	ACCUUSC	
		·
Apply concepts	S	
Apply concepts		
1. the sun is no	- It the brightest or the biggest star in the univ	verse, yet we doi
1. the sun is no		verse, yet we doi
1. the sun is no	- It the brightest or the biggest star in the univ	verse, yet we doi
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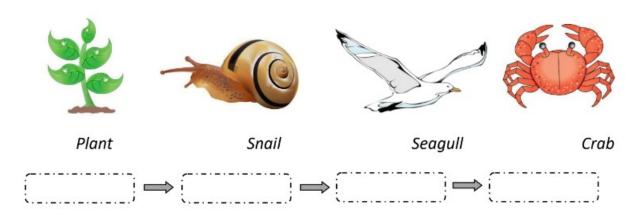
Name:			ate:/	Part 8
esson 1: l	Energy and Food	(use with pages 320-327)		
Word	s to know: Write the	word next to the descri	iption it matches.	
	herbivore	carnivore	omnivore	
		_1. An animal that eats o	only other animals for en	ergy.
		2. Animals that can eat	both plants and animals	for
	energy.			
TRUE	or FALSE: Write T if	_3. Animals that eat only the statement is correct		
		the statement is correct		ers the
TRUE	1. Trophic leve bodies.	the statement is correct	and F if not.  ts according to what cove	ers the
<u>TRUE</u>	1. Trophic leve bodies. 2. Plants make	the statement is correct	and F if not.  ts according to what cove are called consumers.	ers the
	1. Trophic leve bodies2. Plants make3. Predators an	the statement is correct  Is sort animals and plant  their own food, so they	and F if not.  This according to what cover  are called consumers.	ers the
	1. Trophic leve bodies2. Plants make3. Predators an	the statement is correct  Is sort animals and plant  Is their own food, so they  The at the top of food chai	and F if not.  This according to what cover  are called consumers.	ers the





## Apply concepts

1. Put these organisms in order according to how energy moves between them in the food chain: PLANT, SNAIL, SEA GULL, CRAB. Describe the role of each organism in the food chain.



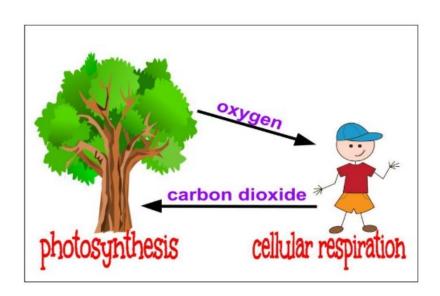
Organism	Role in the Food Chain
Crab	
Plant	
Sea gull	
Snail	

ne:			Date:/_	_/
on 2: How plants	Make Food (us	se with pages 328	3-337)	
Words to know: Wi	rite the word ne	kt to the des	scription it me	atches.
	photosynthesis	ch	nlorophyll	
energy	1. The gro y and helps the p		•	ls that absorb esis.
carboi	2. The pronon	•		nake glucose u oxygen.
Idantify the materia	ıls heina descrih	ad Dick you	r answer from	n the hav
Identify the materia  Carbon dioxide				
Carbon dioxide	Oxygen  Most often this is	Sugar	Sunlight	
Carbon dioxide	Oxygen	<b>Sugar</b> s absorbed b	<b>Sunlight</b> by the roots.	Water
	<b>Oxygen</b> Most often this is	<b>Sugar</b> s absorbed b	Sunlight by the roots. ed to make su	<b>Water</b> ugar.
1. /	Oxygen  Most often this is the source	<b>Sugar</b> s absorbed b	Sunlight by the roots. ed to make su	<b>Water</b> ugar.
Carbon dioxide1. I2. TI3. TI leaves.	Oxygen  Most often this is the source	Sugar s absorbed b of energy us ants through	Sunlight by the roots. ed to make su the holes at	Water  ugar.  the bottom of
Carbon dioxide1. I2. TI3. TI eaves4. W	Oxygen  Most often this is his is the source this enters the place.	Sugar s absorbed b of energy us ants through	Sunlight by the roots. ed to make su the holes at	Water  ugar.  the bottom of
Carbon dioxide1. I2. TI3. TI leaves4. W be made.	Oxygen  Most often this is his is the source this enters the place.	Sugar s absorbed b of energy us ants through lasts absorb	Sunlight by the roots. ed to make so the holes at a more sunligh	Water  ugar.  the bottom of  t, more of this
Carbon dioxide1. I2. TI3. TI leaves4. W be made.	Oxygen  Most often this is the source of the	Sugar s absorbed b of energy us ants through lasts absorb	Sunlight by the roots. ed to make so the holes at a more sunligh	Water  ugar.  the bottom of  t, more of this
Carbon dioxide1. I2. TI3. TI leaves4. W be made5. D	Oxygen  Most often this is his is the source whis enters the play when the chlorop wring photosynti	Sugar s absorbed b of energy us ants through lasts absorb	Sunlight by the roots. ed to make so the holes at a more sunligh	Water  ugar.  the bottom of  it, more of this  gh the holes a
Carbon dioxide	Oxygen  Most often this is the source of the	Sugar s absorbed be of energy us ants through lasts absorb nesis, this is	Sunlight by the roots. ed to make so the holes at a more sunligh release throu	Water  ugar.  the bottom of  it, more of this  gh the holes a

2. To reduce tra	rspiration, many desert plants open their stomata only at night
This statement is _	because



1. Explain how photosynthesis and ce	cellular respiration work together to give pla	nts
energy.		
		_
		_
		_



Apply co	<u>ncepts</u>					
	_	bending, and s ce between no	_		_	
moveme		C Detvicen no.	ocomotor y	overnent	and loc	.5111010
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NOCCESS!			To a s	TOCK	SĀ.	
			and the second			

Ecosystem	Abiotic	Biotic	communit
	1. Living part	of an ecosystem.	
	2. The way liv	ving things and nonlivin	ng things in an a
inte	eract. 3. All organis	ms living in an ecosyste	em.
	5. All Organis	ms nvmg m an ceosyste	
	4. Nonliving <sub> </sub>	parts of an ecosystem.	
<b>-</b>			
		t is correct and F if not.	
1. The	e biotic parts of an ecos	ystem can be as small (	
1. The	e biotic parts of an ecos ge as the tallest tree on	ystem can be as small o Earth.	as a bacterium d
1. The larg	e biotic parts of an ecos ge as the tallest tree on	ystem can be as small (	as a bacterium c
1. The larg2. The as i3. Eco	e biotic parts of an ecos ge as the tallest tree on e community's members mates or protection.	ystem can be as small of Earth.  s depend on one another.  e. They can be as small	as a bacterium c
1. The larg2. The as i3. Eco	e biotic parts of an ecos ge as the tallest tree on e community's members mates or protection.	ystem can be as small of Earth.  s depend on one another.  e. They can be as small	as a bacterium o
1. The larg2. The as i	e biotic parts of an ecos ge as the tallest tree on e community's members mates or protection. esystems can be any size larger than an entire fo	ystem can be as small of Earth.  s depend on one another  e. They can be as small rest.	as a bacterium o er to fill needs, s as a drop of wa
1. The large	e biotic parts of an ecosige as the tallest tree on ecommunity's members mates or protection. It is systems can be any size arger than an entire for ech statement is true or	ystem can be as small of Earth.  s depend on one another.  e. They can be as small	as a bacterium o er to fill needs, s as a drop of wa
1. The large	e biotic parts of an ecosige as the tallest tree on ecommunity's members mates or protection. It is systems can be any size arger than an entire for ech statement is true or	ystem can be as small of Earth.  Is depend on one another  Is. They can be as small rest.  Is false. Explain your cho	as a bacterium o er to fill needs, s as a drop of wa

This statement is	because
	·
Apply concepts	
1. Water, temperature.	and sunlight determine the number and types of organi
	system, explain how these factors affect the diversity.