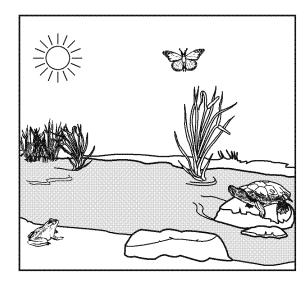
PSSA and Keystone Exams Fall 2015 Item Writing and Handscoring Training Workshops

PSSA, Grade 4 Science

Community Pond

Handscoring Anchor Set

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Part A: Identity one living and one nonliving thing at the pond.	
Part B: Describe one role of a nonliving thing in the pond ecosystem.	
Fait D. Describe one role of a normality thing in the polic ecosystem.	
Part b. Describe one role of a normaling thing in the policiecosystem.	
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Part B. Describe one role of a normving thing in the polici ecosystem.	
Part B. Describe one role of a nonliving thing in the polici ecosystem.	
Part B. Describe one role of a normving thing in the point ecosystem.	

PSSA Science: Community Pond (Grade 4); Anchor Set

Community Pond Scoring Guide

2	The response demonstrates a <i>thorough</i> understanding of how to categorize the parts of an ecosystem as living or nonliving and describe their roles in the system by: • identifying one living and one nonliving thing at the pond AND • describing one role of the nonliving thing identified. The response is clear, complete, and correct.
1	The response demonstrates a <i>partial</i> understanding of how to categorize the parts of an ecosystem as living or nonliving and describe their roles in the system by: • identifying one living and one nonliving thing at the pond OR • describing one role of the nonliving thing identified. The response may contain some work that is incomplete or unclear.
0	The response provides <i>insufficient</i> evidence to demonstrate any understanding of the concept being tested.

Note: No deductions should be taken for misspelled words or grammatical errors.

Responses that will receive credit:

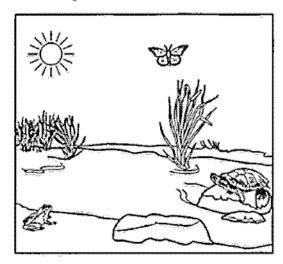
Part A (1 point): One living and one nonliving thing

- Living: The aquatic plants are an example of a living thing.
- Nonliving: The sunlight is an example of a nonliving thing.
- Other living things: frog, turtle, or butterfly
- Other nonliving things: rocks, air, water, or soil

Part B (1 point): One role of the nonliving thing

- The sunlight provides energy for the plants to do photosynthesis.
- The rocks provide a place for the turtle to perch.
- The air provides oxygen for the plants, turtle and frog.
- The water provides a place for the frog and turtle to live.
- The soil provides nutrients for the plants.

Format Update: 9/1/15

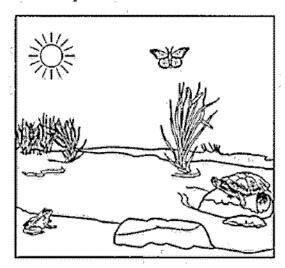


A community park has a pond.

Part A: Identify one living and one nonliving thing at the pond. One living thing by the pond is the animals like
the freq and The furtle. One nonliving thing by
the park is a rock because rocks do not
move or breath,
Part B: Describe one role of a nonliving thing in the pond ecosystem.
The role of a rock in an ecosistem is
so the tartle and frog can rest on it.
They need that so they can sit in
the sun on a dry surface.

A1-Score Point 2

The response demonstrates a thorough understanding of how to categorize the parts of an ecosystem as living or nonliving and describe their roles in the system by completing both tasks presented. The student identifies the frog and turtle as living and the rock as nonliving. The description why the rock is nonliving is not necessary for credit. The student goes on to describe the role of the rock in the ecosystem (the turtle and frog can rest on it or they need that so they can sit in the sun). The response is clear and correct.

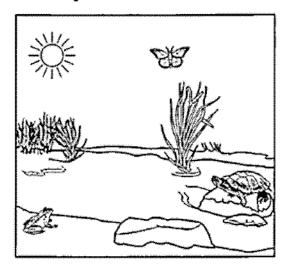


A community park has a pond.

Part A: Identify one living and one nonliving thing at the pond.
One nonliving thing at the bond is the
room, one living thing out the pond is
the turtle c.
Part B: Describe one role of a nonliving thing in the pond ecosystem.
The sun keeps the plants growing
and the animals alive because the
living things need the plant for food
to cat.

A2-Score Point 2

The response demonstrates a thorough understanding of how to categorize the parts of an ecosystem as living or nonliving and describe their roles in the system by completing both tasks presented. The student identifies the sun as nonliving and the turtle as living. The role of the sun (*keeps the plants growing*) is limited, but sufficient for the given task. The additional description strengthens the answer, but is not necessary for credit. This response is complete and correct.

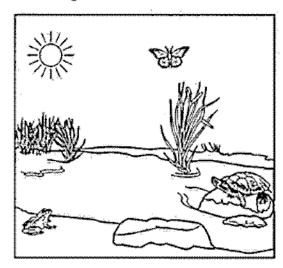


A community park has a pond.

Part A: Identify one living and one nonliving thing at the pond. One living thing at the pond would be a rock. Turtle. One nonliving thing would be a rock.
Part B: Describe one role of a nonliving thing in the pond ecosystem. The role of the water is to be a
habitat for the animals

A-3 Score Point 2

The response demonstrates a thorough understanding of how to categorize the parts of an ecosystem as living or nonliving and describe their roles in the system by completing both tasks presented. The turtle is identified as living and the rock is identified as nonliving. The role of a nonliving thing (water) is described (is to be a habitat for animals). The student does not need to describe the role of the nonliving thing identified in Part A. This response is complete and correct.



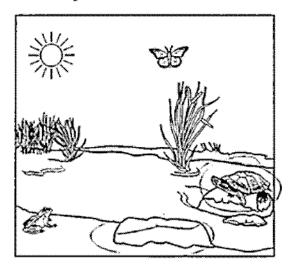
A community park has a pond.

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Part R	Describe or	a role of a r	onliving	r thing in th	no nond	ococyctom		
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A-4 Score Point 2

The response demonstrates a thorough understanding of how to categorize the parts of an ecosystem as living or nonliving and describe their roles in the system by completing both tasks presented. The turtle is identified as living and the water is identified as nonliving. A response that does not have the things labeled can be accepted as long as they written in the same order as the prompt (living then nonliving). The student clarifies his/her response further by describing the role of water in the pond ecosystem (is a *habitat and a place to get a drink for animals*). This response is complete and receives full credit.

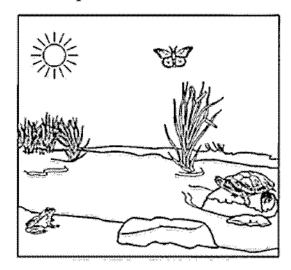


A community park has a pond.

Part A: Identify one living and one nonliving thing at the pond. One thing living in the pond is a turtle. Also, one nonliving thing I see ing the pond is a rock.
Part B: Describe one role of a nonliving thing in the pond ecosystem.
One nonlining thing in the pond ecosystem is a rock because a rock doesn't swim arow
or walk. Also it doesn't help the animals in

A-5 Score Point 1

The response demonstrates a partial understanding of how to categorize the parts of an ecosystem as living or nonliving and describe their roles in the system by completing one of the tasks presented. The student correctly identifies the turtle as a living thing and the rock as a nonliving thing. There is no additional credit earned for describing a role of a nonliving thing because the student describes why the rock would be considered nonliving without giving its role. This response is incomplete and receives one point.

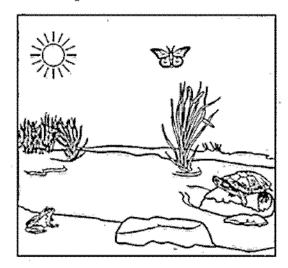


A community park has a pond.

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Part B: Desc	ribe one role of a nonliv	ing thing in the por	nd, ecosyste	m _c
Part B: Desc	ribe one role of a nonliv	ing thing in the por	ad ecosyste	a rock,
Part B: Desc	ribe one role of a nonliv	ing thing in the por	d ecosyste	m. a rock,
Part B: Desc	ribe one role of a nonliv	ing thing in the por	d ecosyste	m. a Yock,

A-6 Score Point 1

The response demonstrates a partial understanding of how to categorize the parts of an ecosystem as living or nonliving and describe their roles in the system by completing one of the tasks presented. The student correctly identifies a living (*frog*) and nonliving (*rock*) thing. Though the response does not appear in the correct box, the student clearly identifies the rock as nonliving. There is no attempt at describing the role of the rock so no additional credit is earned. The response is incomplete and receives partial credit.

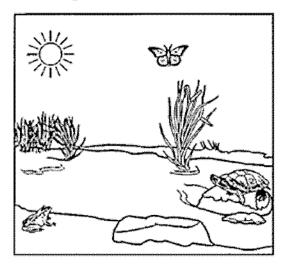


A community park has a pond.

Part A:	Identify o	ne livin	g and c	ne non	living tl	hing at	the pond.		у ж
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Part B:	Describe o	ne role	of a no	nliving	thing i	n the po	nd ecosy	stem.	and the second s
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Thei It a	Voute	г. еч	Etig Whk	nome	to	The	figh Cive	ond.	ruppoles,

A-7 Score point 1

The response demonstrates a partial understanding of how to categorize the parts of an ecosystem as living or nonliving and describe their roles in the system by completing one of the tasks presented. The student has identified rock, but given no indication whether it is living or nonliving. The description of the role of water in the ecosystem is correct (*it's home to the fish and tadpoles* or *it gives drinks to the creatures*). The response is incomplete and receives one point for the part B response.

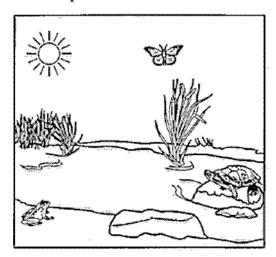


A community park has a pond.

Part A: Identify one living and one nonliving thing at the pond.
Living popularia
twitte Rocks
water
<u>fron</u>
butterfly
Part B: Describe one role of a nonliving thing in the pond ecosystem.
Rocks are nonliving they do not
Make sounds and they do not grow of move.
growaf move.
+

A-8 Score Point 0

The response demonstrates insufficient understanding of how to categorize the parts of an ecosystem as living or nonliving and describe their roles in the system by completing none of the tasks presented. The student provides a list on living things, but includes a nonliving thing (water) in the list. If the student chooses to give additional responses, they all must be correct in order for the student to receive credit. The description of the role of a nonliving thing is not correct for credit. The student explains why the rock would be considered nonliving and does not give a role. The response contains an error that detracts from the correct answer and receives no credit.

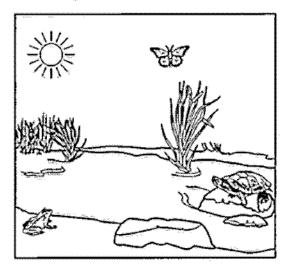


A community park has a pond.

Part A:		ing and one nor	diving thing at	the ponds	
)		2	
Part B:	Describe one r	ple of a nonliving	thing in the p	ond ecosystem.	conathi
	**************************************	V			
<u> Managan an a</u>					

A-9 Score point 0

The response demonstrates insufficient understanding of how to categorize the parts of an ecosystem as living or nonliving and describe their roles in the system by completing none of the tasks presented. The student identifies "the turle" without indicating if it is a living or nonliving thing. The description of a role of a nonliving thing in the ecosystem is incorrect. The student identifies a plant as nonliving. Since the plant is a living thing, the response cannot get credit. This response demonstrates no understanding and receives no credit.



A community park has a pond.

Part A:	Identify one living and one nonliving thing at the pond. Frog and the Bother FIY	
		·
Part B:	Describe one role of a nonliving thing in the pond ecosystem. Butterfy	
-		

A-10 Score point 0

The response demonstrates insufficient understanding of how to categorize the parts of an ecosystem as living or nonliving and describe their roles in the system by completing none of the tasks presented. The student identified two living things and repeated one of the responses in part b. This response shows no understanding of the prompt and receives no credit.

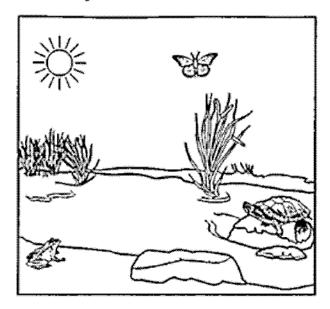
PSSA and Keystone Exams Fall 2015 Item Writing and Handscoring Training Workshops

PSSA, Grade 4 Science

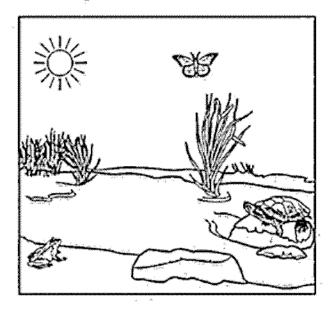
Community Pond

Handscoring Training Set 1

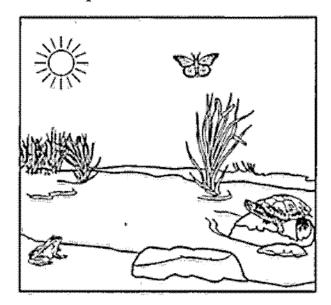
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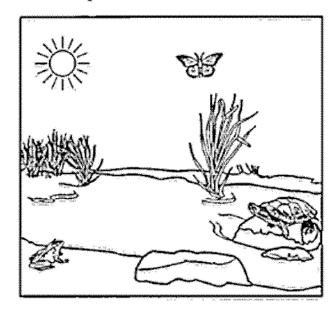
Part A: Identify one living and one nonliving thing at the pond.	
One nonliving thing is water. One liv	ina
(1)	1 5
thing is a plant,	
Part B: Describe one role of a nonliving thing in the pond ecosystem.	
One thing the water does is aires for fish, occasionally a turtle and	a home
One many me males along to any a	A DOLLA
for tish occasionally a tartle and	a from
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<u>too.</u>	
<u>too.</u> /	



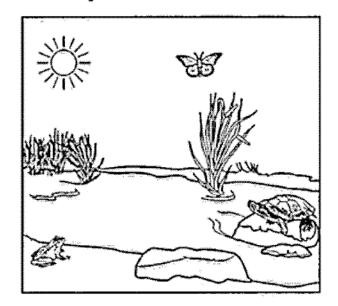
The one living thing is the turtle
The one living thing is the turtle and the one nonliving thing is
the rock.
» +
Part B: Describe one role of a nonliving thing in the pond ecosystem.
The one role of a nonlivery thing
The one role of a nonliving thing in the pond ecosystem is the
Water tox.



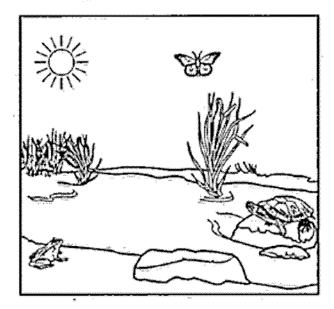
Part A: Identify one living and one nonliving thing at the pond. A frod is a living thing and the lake
is a nonliving thing.
Part B: Describe one role of a nonliving thing in the pond ecosystem.
The lake has a huge role It's where sume types of animals
live. It give animal place where animal cool off or a drink.
animal cool off or a drink.



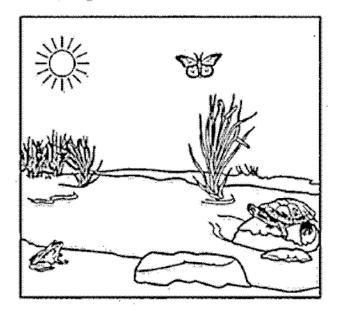
Part A: Identify one	living and one r	nonliving thing	at the pond	i.	
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Part B: Describe one	role of a nonlix	ing thing in the いくし 汁	pond ecos	ystem.	
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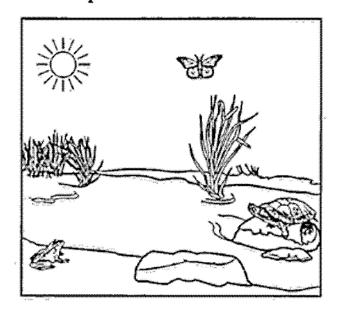
Part A: Identify one living and one nonliving thing at the pond.
The one rook this is the rock
because rocks can't be a 1171 ing this
and the living thing is the butter
414
Part B: Describe one role of a nonliving thing in the pond ecosystem. The Nonliv-no thing is the rock
because it can't hove, eat, Greath.
21 to pilw start 600 stil 800
a nonlivera thing



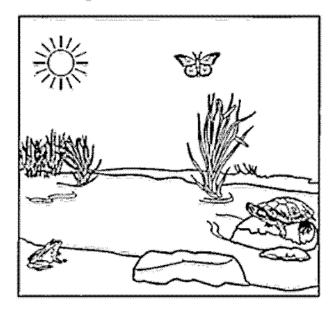
Part A: Identify one living and one nonliving thing at the pond.
One nonliving is the water and one living thing is brog,
living thing by brown
- Total Marine A Carage
*
Part B: Describe one role of a nonliving thing in the pond ecosystem.
One role of the writer is to provide
a home far animals.
w morrow zac amornacji,



Part A:	Identify one l Open livings on Inspects	iving and one	nonliving thin	g at the pond 2nd The	ı. <u>manllvin</u> g	Thing.
Is the	e there.					
Part B:	Describe one	role of a nonliv	ring thing in the	he pond ecos	ystem.	
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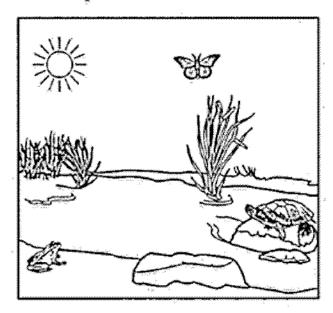


Part A: Identify one living and one nonliving thing at the pond.
- THE Hiving things are the
- from, Butterally and others, the
nonliving thing is the water
md plants.
Part B: Describe one role of a nonliving thing in the pond ecosystem.
the role of the sun
is to Keep things warm.
•



Part A:	Identify one living and one nonliving thing at the pond. The Florit is one nonliving thing thing.

No.	
Part B:	Describe one role of a nonliving thing in the pond ecosystem. The twitte cats it is stay alive.
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Part A:	Identify on		one nonliv		***		· te
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Part B:	Describe on		_				Selwee
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Subject:	Science	item:	Community Pon	a	Grade 4
Name					
Number	Score			Notes	
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T1-2					
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T1-9					
T1-10					

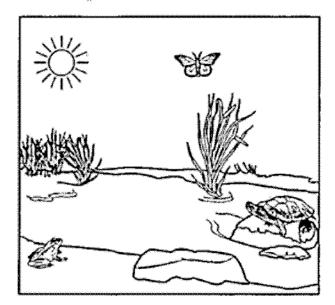
PSSA and Keystone Exams Fall 2015 Item Writing and Handscoring Training Workshops

PSSA, Grade 4 Science

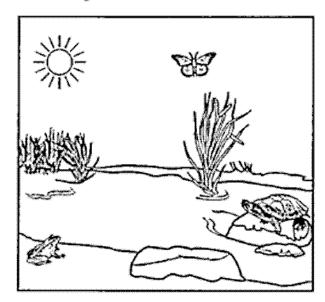
Community Pond

Handscoring Training Set 2

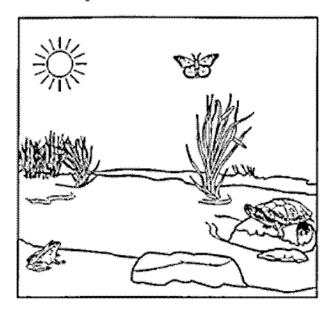
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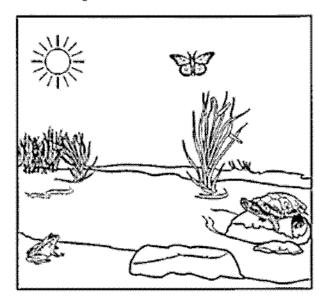
Part A: Identify one living and one nonliving thing at the pond.
The turtle is a living thing A
rock is a nonliving thing,
Part B: Describe one role of a nonliving thing in the pond ecosystem.
For animal to stand an and
land of other Constitutions
I have shade tram the siza.
have shade from the sun
nave shade tram, the sizn.



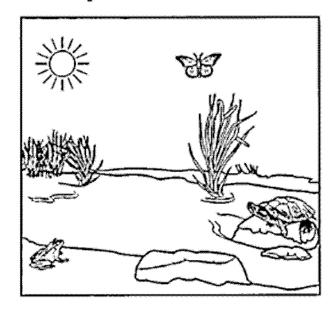
Part A: Identify one living and one nonliving thing at the pond. One living thing in the pond is the turtle. One nonliving thing is the water. The water does not breating.
or smell.
Part B: Describe one role of a nonliving thing in the pond ecosystem. The water is not living but the things inside the water are such as weeds turtles, fish, and even a frog
and also much more.



Part A: Identify one living and one nonliving thing at the pond.	cnto
frog ond one non livin	9 thing
oh.	TNITIES
Part B: Describe one role of a nonliving thing in the pond ecosystem.	tall additional description and the second and the
Part B: Describe one role of a nonliving thing in the pond ecosystem.	abitat
tor the animals.	

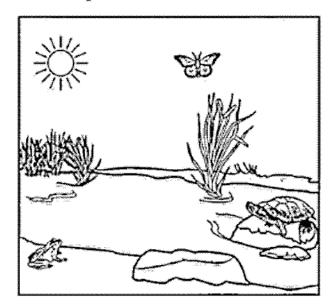


Part A: Identify one living and one nonliving thing at the pond.						
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Part B:	Describe one	role of a n	onliving thing	in the po	nd ecosystem	*
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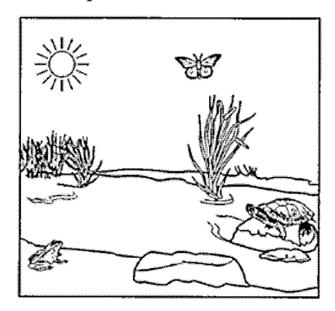


Part A:	A: Identify one living and one nonliving thing at the pond.					
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	<u>~</u>	living	thing	is	the	
	frog.	0	Ű			
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Part B:	Describe one role	of a nonliving t	hing in the pond	ecosystem.	damininani	
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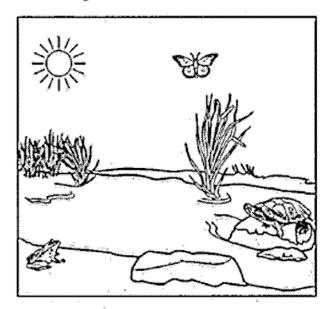
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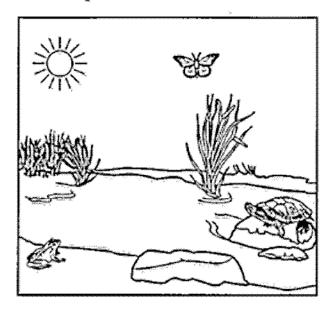
Part A:	Identify one living				
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					*
Part B:	Describe one role o	of a nonliving this	ng in the pond ec	osystem.	
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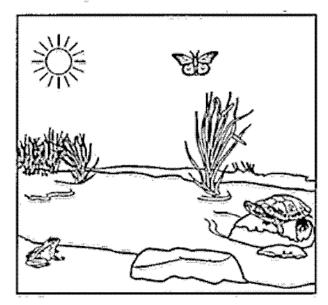
Part A: Identify one living and one nonliving thing at the pond.
One living thing in the poor is
the frog. One nonliving thing is
the weed plant.
Part B: Describe one role of a nonliving thing in the pond ecosystem. THE WEED DIANT MOKES O habitat
for the freq.
σ



Part A;	Identify one living and one nonliving thing at the pond.
all	and iving thing water aliving
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1/\/	19-1-12-
	The second of th
	z W
	A C C COCC C COCC C
Part B:	Describe one role of a nonliving thing in the pond ecosystem.
l	It gives the Frog a place
1 <u>+0</u>	IVE. Thetrutle Massomthing
40.	drink.
*	
	*
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Part A:	Identify	rone li	iving ar	OW:5	onliving the	thing at	the pond.	the	frog
	F . ST		avo	NOV	. T. T.	ing	7 V	2 807 D.W. MATERIAL A.W. M.	7 - 10 - 10 - 10 - 10 - 10 - 10 - 10 - 1
Part B:	Describ	e one i	role of a	nonlivin	ng thing	NNg	ond ecosys	_{lem.}	<i>w</i>
17. Hit. W. Harrison	(Ng ex	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~					£.		
				พระพระบุรณาทางเกรมสามานกรณสามา		**************************************			



Part A:	Identify one living and one nonliving thing at the pond. Frog Whda Pond
	1109 DOTTON POLICE

Part B:	Describe one role of a nonliving thing in the pond ecosystem. Pond is Nice a came

Subject:	Science	Item:	Community Pond		Grade 4
Name					
Number	Score			Notes	
T2-1					
T2-2					
T2-3					
T2-4					
T2-5					
T2-6					
T2-7					
T2-8					
T2-9					
T2-10					

PSSA and Keystone Exams Fall 2015 Item Writing and Handscoring Training Workshops

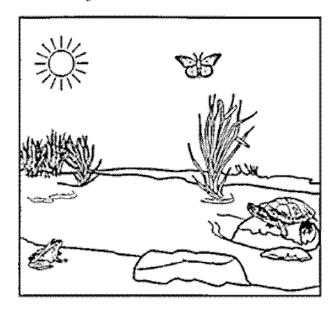
PSSA, Grade 4 Science

Community Pond

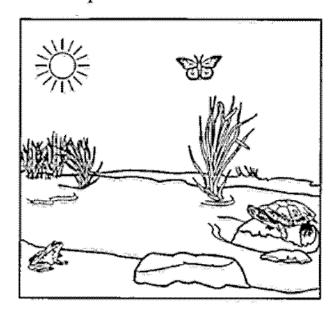
Handscoring Practice Set*

*Responses in this set do not have true scores. Apply scores based on scoring criteria.

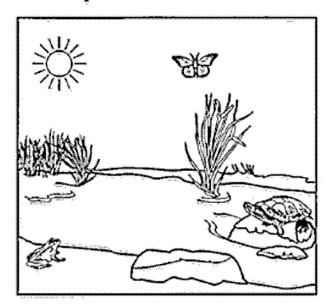
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Part A: Identify one living and one nonliving thing at the pond. Tock and the frog
*
Part B: Describe one role of a nonliving thing in the pond ecosystem.
Tock water grass gravel

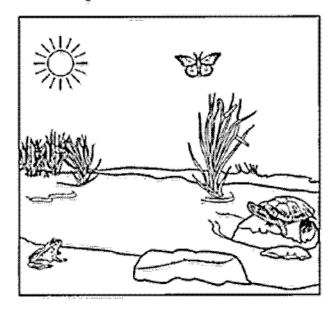


Part A: Identify one living and one nonliving thing at the pond. TO CODIVING DOLL IS WOTER.
The living part is the turtlel
Part B: Describe one role of a nonliving thing in the pond ecosystem.
Oxvaen for water is it provided
for jary animal, a home, food, and
Sperrer

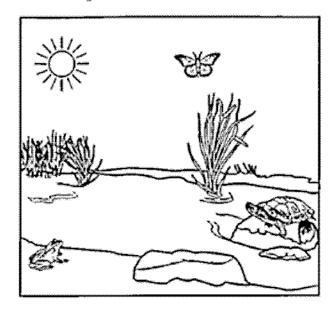


Part A: Ider 十人の	ntify one living ar	nd one nonli 4 46		$\wedge d$	^{id.} ❤️\ \	Lacki
970	living	and	Non	<u> </u>	<u>rg</u>	Min

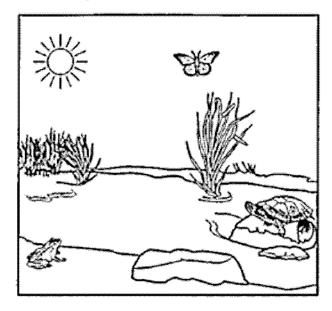
Paul Pe Dan	neibo ana rala of a		hina in the		arrakana	~ \
Part B: Desc	cribe one role of a	$\frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}$	$\frac{bb/\lambda}{m \sin m}$	476	MC System:	17-160
ang	Pish		shop!	i 91'n	o,	
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			***************************************	······		**************************************
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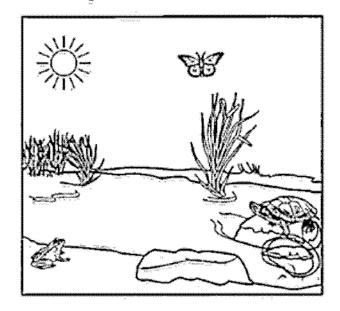
Parta: Identify one living and one nonliving thing at the pond. The living thing is a turtle the nonliving thing is a lock.
Part B: Describe one role of a nonliving thing in the pond ecosystem. The rock lets the animals or other: Things Sit or Stand on it.



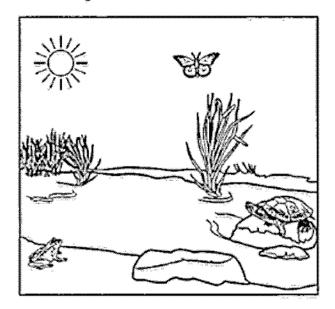
Part A:		***	•	ving thing at	-		
***************************************			A 4-10-1				
Part B:	Describe of	one role of a	nonliving t	hing in the p	ind ecosy	stem. thing.	
					manananan mananan mana		



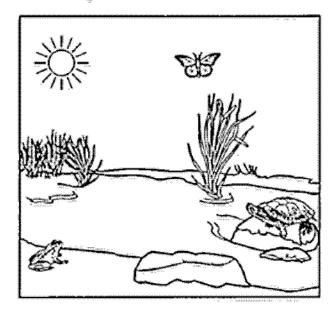
Part A: Identify one living and one nonliving thing at the pond. The twite and the water are
one living and nonliving thing.
Part B: Describe one role of a nonliving thing in the pond ecosystem. The water provides shelter and a place to swim for some animals
a place to swim for some animals



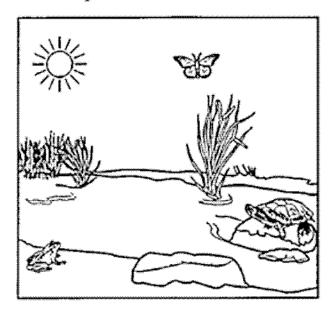
Part A:	Identif OW	· .		l one non WING	*		pond. ter (1	V	and	
	ore	N	nlivin	1g 'H	ning i	r a	rock	<u> </u>		
***************************************				***************************************	ing and the second seco	and the second s				*****
										_
Part B:	Descril ()nL	pe one r	ole of a	nonliving the	thing in	the pond PAU	ecosyste	m; 1+	is	
	a pled	form	િંદ	the	£109	ľΛ	watcı	•		
:.									000000007300	2 < 344.
Section 2		enge ger							search at a transmitter of the desire that desire only from	******



Part A: Identify one living and one nonliving thing at the pond. The but tell Mind The July 1900 of the 1900 of t
Part B: Describe one role of a nonliving thing in the pond ecosystem.
a sun alla water



Part A:—Identify one living and one nonliving thing at the pond. The trutle and the sun
Part B: Describe one role of a nonliving thing in the pond ecosystem. The water doesn theed oxygen or food.



Part A: Identify one living and one nonliving thing at the pond.
The turtle in the pand is living.
and the rock it is laying on
is nonliving.
Part B: Describe one role of a nonliving thing in the pond ecosystem.
The role of this nonliving tock
is for the animals to lay on or
get drigd off from the pond.
IF also out there for the animals
to stain d'on so they don't get
wet while drinking.
· · · · · · · · · · · · · · · · · · ·

PSSA Science: Community Pond (Grade 4); Practice Set

Practice Set*

Judgett. Science Item. Community Fond Grade	Subject:	Science	Item: Community Pond	Grade 4
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Name

Number	Score	Consensus	Annotation
P-1			
P-2			
P-3			
P-4			
P-5			
P-6			
P-7			
P-8			
P-9			
P-10			t do not have two seems. Apply seems has a don seeming evitoria

^{*}Responses in this set do not have true scores. Apply scores based on scoring criteria.

PSSA and Keystone Exams Fall 2015 Item Writing and Handscoring Training Workshops

PSSA, Grade 4 Science

Community Pond

Handscoring
Training Sets 1 and 2
True Scores/Annotations

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Paper	Score	Comments
T1-1	2	Part A: nonliving – water; living – plant Part B: water gives home for fish
T1-2	1	Part A: living – turtle; nonliving – rock Part B: No credit – no description given, water identified as nonliving
T1-3	2	Part A: living – frog; nonliving – lake (counts as water) Part B: lake is where some types of animals live or where they cool off or drink
T1-4	0	Part A: No credit – living/nonliving not identified; does not match order of prompt Part B: No credit – no description of role
T1-5	1	Part A: nonliving – rock; living - butterfly Part B: No credit – describes why the rock is nonliving and not its role
T1-6	2	Part A: nonliving – water; living – frog Part B: water provides home for animals
T1-7	0	Part A: No credit – trees are identified as nonliving Part B: No credit – error carried through in part B, tree is not nonliving
T1-8	1	Part A: No credit – plants are listed as nonliving (negates correct answer; see A8) Part B: sun keeps things warm
T1-9	0	Part A: No credit – plant is living Part B: No credit – description is incorrect, 'it' is taken as plant (from part A) which is not nonliving
T1-10	2	Part A: living – frog; nonliving – water (not identified, but listed in same order as prompt) Part B: sun provides energy for seeweed and plants or provides shelter for turtle and frog or water provides drinking water – both identified things are nonliving

Paper	Score	Comments
T2-1	2	Part A: living – turtle; nonliving - rock Part B: for an animal to stand on or have shade from sun (referring to rock which is identified in part A)
T2-2	1	Part A: living – turtle; nonliving – water Part B: No credit – does not describe the role of the nonliving thing (water) – not clear what the role of the water – saying there are living things inside the water is not the same as saying it is home for plants and animals
T2-3	2	Part A: living – cute frog; nonliving – rock Part B: water provides a habitat for animals is acceptable role
T2-4	1	Part A: living – turtle; nonliving – rock Part B: No credit – does not describe the role; attempts to describe what makes thing nonliving
T2-5	2	Part A: nonliving – rock; living – frog Part B: it makes good shelter for the animals ('it' taken as rock which was identified in pt A)
T2-6	1	Part A: No credit – no living thing identified Part B: rock can let something like turtle cool off on the rock (implies turtle can sit on rock)
T2-7	0	Part A: No credit – weed plant is not nonliving Part B: No credit – weed plant is not nonliving
T2-8	2	Part A: nonliving – water; living – turtle Part B: it (water, from A) gives the frog a place to live or gives the turtle something to drink
T2-9	0	Part A: No credit – only the rock is identified as nonliving Part B: No credit – does not describe the role of the rock
T2-10	1	Part A: living – frog; nonliving – pond (water) Part B: No credit – no role of the pond given