Critical Thinking Skills

Classification & Adaptation

\square		R	ead	ing	Со	r>r	ehe	nsic	on	
	Skills For Critical Thinking	Section 1	Section 2	Section 3	Se ion 4	ection 5	Sectio. 6	7 noi	Section 8	Hands-On Activities
LEVEL 1 Knowledge	 List Details/Facts Recall Information Match Vocab to Definitions Define Vocabulary Label Diagrams Recognize Validity (T/F) 	>>>> >>	* * * * *					555555	>>>> >	1
LEVEL 2 Comprehension	 Demonstrate Understanding Explain Scientific Causation Rephrasing Vocab Meaning Describe Classify into Scientific Groups 					5 5 5	11 11	5 5 5	~ ~ ~	J J
LEVEL 3 Application	 Application to Own Life Model Scientific Process Organize & Classify Facts Use Alternative Research Tools 			1 1 1 1	5 5 5	✓ ✓	\$ \$	1	< < < <	< <
LEVEL 4 Analysis	 Distinguish Roles/Mean age Make Inferences Draw Conclusion Based on Facts Provided Classify Based on Fact Researched 	S S S S	555	555	> >	> > >	555	5	> >	5
LEVEL 5 Synthesis	 Compile Research Information Design & Application Create & Construct Imagine Self in Scientific Role 	>>>>	>>>>	> > >	>>>>	>> >	> >>	>>>>	~ ~ < <	✓
LEVEL 6 Evaluation	 State & Defend an Opinion Justify Choices for Research Topics Defend Selections & Reasoning 	5	>>	5	>> >	1	>>	1	~ ~ ~	

Based on Bloom's Taxonomy

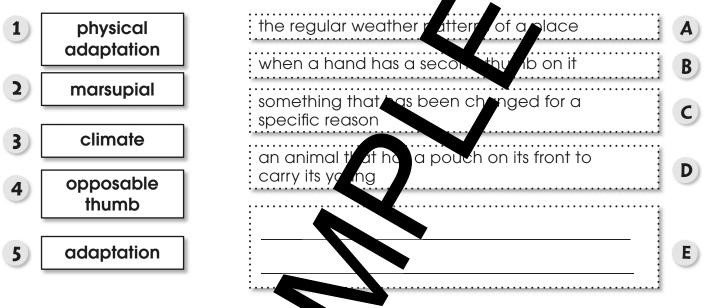


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A Case Study: The Koala and Its Adaptations

1. Draw a line from the word on the left to its matching definition. Which word is left over? Use the reading passage or a dictionary to help you write out its definition.



2. Look at the matched definitions in the question above. Use each vocabulary word in your content ence. Make sure your sentence shows that you understand what the word means.

a) physical adaptation	
b) marsupial	
c) climate	
d) opposable thumb	

NAME:

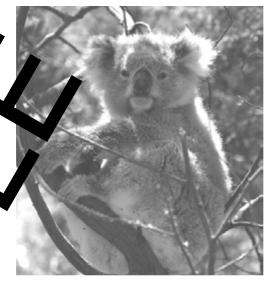


A Case Study: The Koala and Its Adaptations

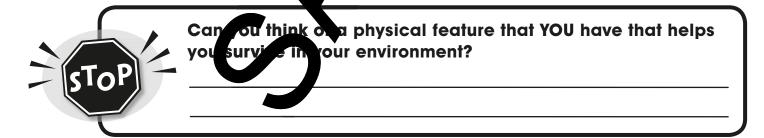
e read how animals depend on their physical features to help them survive in their environment. Do you remember what these physical features are called? **Physical adaptations**. Let's find out how the koala has adapted over time for its . in a tree. Before reading on, can you think of a physical feature that might help an animal live in a tree?

W Reading Passage

The koala is a medium-sized animal with thick, conse fur. Its fur is mainly gray. It looks like a cuddly to tak bear but it is actually a **marsupial**. What is comarsupial? A marsupial is an animal that has a pouch to carry its young. Can you think of another marsupial? The you ever seen a kangaroo carrying its your set its from pouch?



Koalas live in hot and dry climates. A **climate** is the regular weather patterns of a place. Since koalas live in a hot character, you could think they would need to drink a lot of water. They have adapted though by pating a lot of eucalyptus leaves. These leaves have so much water in them that koalas and ost never need to drink! Did you know that the word "koala" is actually an aborr meaning "no drink animal"?



Koalas have adapted well to their life in a tree. They sleep for fourteen hours every day and then move from tree to tree at night. Their front paws have long, sharp claws. These help them climb from one tree to the next. Koalas also have another very special adaptation. They have an **opposable thumb**. Look at your own hands. You have one thumb. It would be very difficult to do things without your thumb. Koalas don't have one thumb. They have two! This gives them an excellent grip for their life in a tree.



		Adaptations
Circle) the wo	rd True if the statement is t	rue. Circle the word False if
a) The koala is	an example of a marsupial be e front of its body.	ecause it carries its young in a
True	False	
A grizzly bec True	r is another good example of False	a manufaial.
	to drink a lot of water, so the	live next rivers and lakes
True	False	
Long, sharp t adaptations		ees. This is one of their physical
True	False	
•	an opposable thum the ring p for their life in trees.	d second thumb gives them
True	Fals	
• • • •	••••••	
ircle) the ans	swer that test completes ed	ach sentence.
) Animals dep	end o <u>n t</u> heir	to help them
•	eir environment.	
physical of	en gy pysical features	5
A marsupial	is an animal that has a	to carry its young.
pouch	partner	

d) Koalas have an ______ thumb which gives them extra grip for swinging from tree to tree.

35

opposite opposable