Critical Thinking Skills

Classification & Adaptation

\square		R	ead	ing	Со	mpr	ehe	nsic	on	
	Skills For Critical Thinking	Section 1	Section 2	Section 3	Section 4	Section 5	Section 6	Section 7	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) 	>>>> >	>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>	> >>>	~ ~ ~ ~ ~	>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>	>>> >>	>>>>>>>	~ ~ < < <	1
LEVEL 2 Comprehension	 Demonstrate Understanding Explain Scientific Causation Rephrasing Vocab Meaning Describe Classify into Scientific Groups 	5 55	>>> >	222	5 5	5 5 5	1 2 2 2	5 5 5	~ ~ ~	J J
LEVEL 3 Application	 Application to Own Life Model Scientific Process Organize & Classify Facts Use Alternative Research Tools 	> >>		< < < <	5 55	✓ ✓	5	1	< < < <	~ ~
LEVEL 4 Analysis	 Distinguish Roles/Meanings Make Inferences Draw Conclusions Based on Facts Provided Classify Based on Facts Researched 	> > > >	555	>>>	5 5	> > >	555	5	> >	5
LEVEL 5 Synthesis	 Compile Research Information Design & Application Create & Construct Imagine Self in Scientific Role 	>>>>	>>>>	>> >	>>>>	>> >	5 55	>>>>	1111	✓
LEVEL 6 Evaluation	 State & Defend an Opinion Justify Choices for Research Topics Defend Selections & Reasoning 	1	>>	> >	>> >	~	> >	1	< < <	

Based on Bloom's Taxonomy



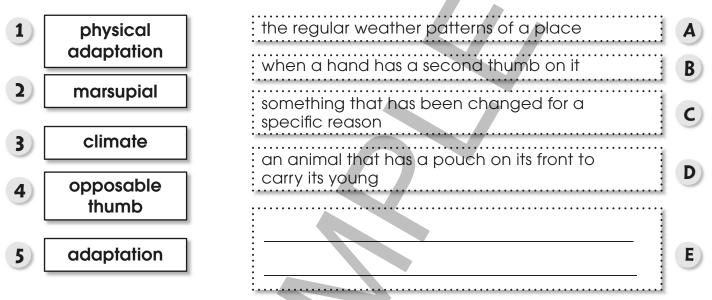
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A Case Study: The Koala and Its Adaptations

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 own sentence. Make sure your sentence shows that you understand what the word means.

c) climate		
d) opposable thumb	 	
d) opposable thumb		

NAME:



A Case Study: The Koala and Its Adaptations

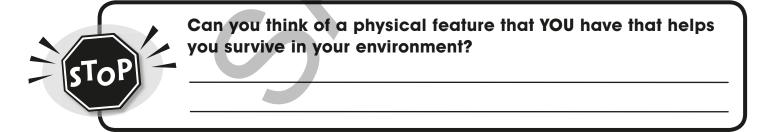
e read how animals depend on their physical features to help them survive in their environment. Do you remember what these physical features are called? **Physical adaptations**. Let's find out how the koala has adapted over time for its life in a tree. Before reading on, can you think of a physical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

W Reading Passage

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



Koalas live in hot and dry climates. A **climate** is the regular weather patterns of a place. Since koalas live in a hot climate, you would think they would need to drink a lot of water. They have adapted though by eating a lot of eucalyptus leaves. These leaves have so much water in them that koalas almost never need to drink! Did you know that the word "koala" is actually an aboriginal word 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.



1E:			After You Read 🗭
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	The Ko	ala and	Its Adaptations
		• • • • • • • ue if the stateme	nt is true. Circle the word False if it
	false. The koala is an ex pouch on the fror	•	pial because it carries its young in a
	True	False	
b)	A grizzly bear is an True	nother good exam False	ple of a marsupial.
c)	Koalas need to di True	rink a lot of water, s False	so they live next to rivers and lakes.
d)		claws help koalas	climb trees. This is one of their physical
	adaptations.		
	True	False	
e)	True	pposable thumb. H	Having a second thumb gives them
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