constantly refreshes the air inside. Amazingly these walls also keep the rain and the heat out! This air

moving system works so well that the temperature inside the mound is kept Sat a steady 64° all year- no matter what the temperature is outside. Without ventilation and cooling, the termites would die within hours.

> Each huge termite mound is built by worker termites. Worker termites also repair the mound, take care of the king and queen, gather food,

and tend the eggs. Amazingly, these tiny workers are blind! The queen, king, and soldiers

4

have eyes. Each mound has one queen and one king. The queen can lay more than 30,000 eggs a day! There are also soldier termites which defend the colony



WORKER

with their large heads and powerful jaws. They have such large jaws that they cannot feed themselves, but must be fed by the workers. Some termites grow fungus to eat, but others have to go outside for food.

Termites have a special smell (pheromones). When workers stumble into food they leave a scent trail for others to follow. Workers have a different smell than soldiers. If a lot of soldier termites are killed during a battle, there will be less of the soldier smell inside the mound. The queen, down in her egg laying chamber,

can sniff the air, and somehow she knows that there are not as many soldier termites. So she begins to lay soldier eggs, to replace those that are missing!

Wood eating termites live on wood. Have you ever tried

to eat wood? You can eat wood all you want, but it won't do you much good, because we cannot digest the cellulose in wood. Wood eating termites, like you, cannot digest cellulose! So how do they do that? They live in a symbiotic or mutual relationship with teeny critters called flagellates. These wee creatures live in the intestine of the termite. Flagellates cannot live in the open air. They must have a place with no free oxygen to live or they will die. These tiny flagellates make enzymes that break down the cellulose of wood and also supply protein. They digest the wood for the termite.

This symbiotic or mutual relationship between the termite and the flagellate can only be explained by Creation. With too much oxygen, the flagellates die and

A Publication of Alpha Omega Institute July/August 1999 by Lanny and Marilyn Johnson

TERMITES--GOD'S PINT-SIZED BUILDERS

Have you ever been to a large city and seen a skyscraper? A skyscraper is a very high building designed for people to work or live in. A well-designed skyscraper must be made strong enough to hold up in strong winds and earth tremors. It must be able to have the inside air circulated, and heated or cooled. A lot of special design goes into making a skyscraper.

Termite mounds (or termitaries) are the skyscrapers of the animal world. Some of these mounds are up to 20 feet high (some of the world's tallest animal mounds)!

Most termites are tiny,

and

high

warmth



TERMITE MOUND is

humidity. They must also have fresh moist air. Termites construct their mounds to meet these needs. Their mounds are built with a complicated ventilation system. Termites use spit and mud to build the hard, thick walls. Very close to the surface of these walls are tiny tunnels. Air is heated by the bodies of the termites and their fungus. This warmed air rises, and tiny tunnels carry the rising warm air close to the surface of the mound. The termitary walls are porous, or have tiny holes. The tiny tunnels are so near the porous surface that cooled, fresh air can actually leak into the inside air and stale air, and other gases can leak out. Thus the mound acts like a giant lung and



then so does the termite because he can't digest his food. They need each other to live. Apart, they both die. How John Mar Eugene, can evolution, a process of chance and accident, explain that? And how do termites know how to build? Did they learn by chance and accident or trial and error? How could they have survived before they learned how to build their complicated homes? Can' evolution explain that? I don't think so. Everything about the termite points to design--a design that had to work the very first time, and every time thereafter. The design of the termite points to God the Creator!

WORD SEARCH

Look for the words hidden in the puzzle below from words in the word list. The hidden words might be up and down, sideways, or slanted (not backwards). All words are from "Termites, God's Pint-Sized Builders."

М	Е	D	F	E	E	Т	U	N	N	Е	L	S	Ρ	С	0	A	М
т	Е	R	М	1	т	Е	в	н	Ρ	R	Е	т	Α	D	F	Y	A
Е	R	т	S	D	S	0	L	D	I.	Е	R	Α	U	в	R	S	A
D	S	F	R	Е	S	Н	Е	L	Е	1	Е	М	0	Α	С	L	н
L	R	F	М	Т	0	V	R	Ν	D	R	Е	S	Т	Α	L	Е	E
С	Т	S	Ρ	1	Т	0	Е	Ν	Ζ	S	М	1	С	Е	н	Е	R
R	Е	Ν	S	R	Т	Н	I	Ν	Е	Y	М	С	Т	Х	Н	0	S
L	Α	н	U	Α	0	L	R	S	т	R	М	Α	E	Н	R	E	S
L	F	F	Е	1	в	т	0	Ν	Е	I	L	Е	L	I	Ν	С	к
М	R	R	G	0	D	L	Е	Т	в	L	L	L	S	0	U	Е	Y
0	С	н	С	L	U	Α	Т	L	Е	Α	Е	Α	Μ	0	R	Е	S
U	Е	Т	С	L	Ε	н	I	G	Ν	Μ	В	0	Т	Е	Ν	Ν	С
Ν	н	W	L	0	F	N	Α	Ν	S	1	R	I	к	1	Е	М	R
D	R	Е	Q	Т	0	L	L	Α	S	Е	R	R	Е	G	0	Ν	Α
К	С	Α	U	S	F	L	W	U	Н	Е	0	Т	Y	Е	I	Ν	Ρ
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Ν	S	Т	Е	С	N	L	Ν	Ν	Т	G	0	Y	Ν	Н	Е	R	R
G	Α	R	Ν	D	A	E	R	Ρ	G	D	D	E	S	1	G	N	Ε

WORD LIST

KING	SMELL
LUNG	SOLDIER
MOUND	SPIT
MUD	STALE
OXYGEN	TERMITARY
PHEROMONES	TERMITE
PROTEIN	TUNNELS
QUEEN	VENTILATION
SKYSCRAPER	WORKER
	KING LUNG MOUND MUD OXYGEN PHEROMONES PROTEIN QUEEN SKYSCRAPER

ASK EUGENE

I am a 13 year old who enjoys reading Lyour "Kids think and believe too!" articles. In the May/June 1999 edition I believe that 51 may have found either a typo or a miscalculation on your part. On page 2 you gave us an activity to work on. You wanted us to figure out what color of skin that the child would have if the parents had a certain type of genes. Problem 3 is where I found the error. You said that the skin color of the child would be a middle tone. However your graph shows that the child would have a lighter tone of skin, which is the side that I am inclined to believe. Let me know if I am right.-Robbie Walker-

Dear Robbie: OOPS! You are right. The answer was Aabb. which is light skin, not middle. I guess proof reading upside down answers made my eyes go buggy. Thanks for catching the error! Love ya, Eugene

Dear Eugene: -EVOLUTION STUMPER- The (See-lakanth) is a fish that was supposed to have become extinct 70 million years ago. The layer of ground containing fossils of this fish was supposed to be dated 70 million years old and evolutionists then dated anything else found with a Coelacanth fossil as being that old. However in the 1930's and since then as many as 30 Coelacanths have been caught alive. If it did not as, previously believed, become extinct 70 million years ago, does seeing a fossil of a Coelacanth tell us anything about the age of rock? Micah Holt...Pueblo, CO

Dear Micah: You are right, fossils cannot tell us the age of a rock. The Coelacanths found in 1938 were near Madagascar. In 1997 more were found around Indonesia. The local fishermen knew about them all along. Thanks...Love MEDFEETUNNELSPCOAM

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INSTITUTE	M	B	R	G	0	0	R	E	G	B	3	\Diamond	4	s	9	U	Е	Y
DO BOY 1343	0	6	H	C	4	4	A	T	V	E/	N	E	\otimes	W	9	P	E	8
1.0. DUA 4343	U	E	Т	$\langle \varphi \rangle$	4	E	н	4	9	\$	M	8/	9	$\langle T \rangle$	E/	N	N	С
GRAND JUNCTION,	N	н	W	2	$\langle \circ \rangle$	Y	N	N	N	(s/	1/	B	1/	K	\bigcirc	(E/	M	R
CO 81502	D	R	E	Q	T	0	X.	4	A	s	E	R	B	E	9	0	N	A
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