



## A PROBLEM OF CHANGE

by Lanny and Marilyn Johnson

As Mr. Jones read the evening newspaper, he began to chuckle. "Oh Brother!" he exclaimed to Mrs. Jones. "This article states a cow-like creature evolved into a whale. This reminds me of our visit to the museum of Natural History, where they displayed a skull of a frightening wolf-like creature (*Andrewsarchus*), claiming it too was an ancestor of the whales! Neither the newspaper nor the museum gives any solid evidence to support their statements. Don't people realize all the problems a land mammal like a cow or wolf would face trying to change into a marine mammal like a whale?"<sup>1</sup>

"If the whale evolved from a cow-like or wolf-like creature, the entire head would have to be restructured. For example:

- Land mammals' nostrils lie in front of their brains on their face. Evolution would teach that the whale's nose moved up its face and through the brain until it arrived at where we find it today - on top of its head and behind its brain!
- The land mammal's system of barking or mooing would have to develop special structures that could make loud low-pitched moans and whines or fast high-pitched clicks and whistles.<sup>2</sup>

- The land mammal's outer ears would have to move to the inside of its head. Once inside, special structures, and different oil-filled sinuses in the lower jaw would have to evolve giving the whale the ability to capture the returning echoes of the whale's clicks and whistles. In modern whales, the volume difference between the echoes received by one ear versus the other indicates the direction of the sound to the whale, while the time elapsed between echoes gives the distance.<sup>3</sup>

- The mammalian ear would also have to change something that could withstand the tremendous pressures deep in the ocean.

"Besides this," Mr. Jones continued, "there are other body changes a land mammal would have had to make:

- It would have to lose its hair and turn its waggly or swishing tail into tail flukes. The back legs would have to disappear, and the front legs evolve into flippers.
- Its lungs would have to be modified to enable them to collapse steadily as the pressures increased during a dive - up to 1,600 ft (500 m). These 'new' lungs would also need to hold enough air to stay underwater for up to 20 minutes (both are abilities of the Blue



Whale).<sup>4,5,6</sup>

- The birth of baby whales and how they are fed is different than land mammals. Baby whales are born in the water - tail first. This might be, so they don't drown before they swim to the surface to take their first breath.

- A baby land mammal must suck milk from its mother, but mother whales pump their milk into their babies. Also, whales' milk is very different from the milk of land mammals. It has twice as much

protein, half as much sugar, and up to ten times more fat than cows' milk.<sup>7</sup>

- In some cases, the teeth of land mammals would have to disappear altogether in favor of baleen, a comb like structure used by whales to filter out small creatures from the water.<sup>8</sup>

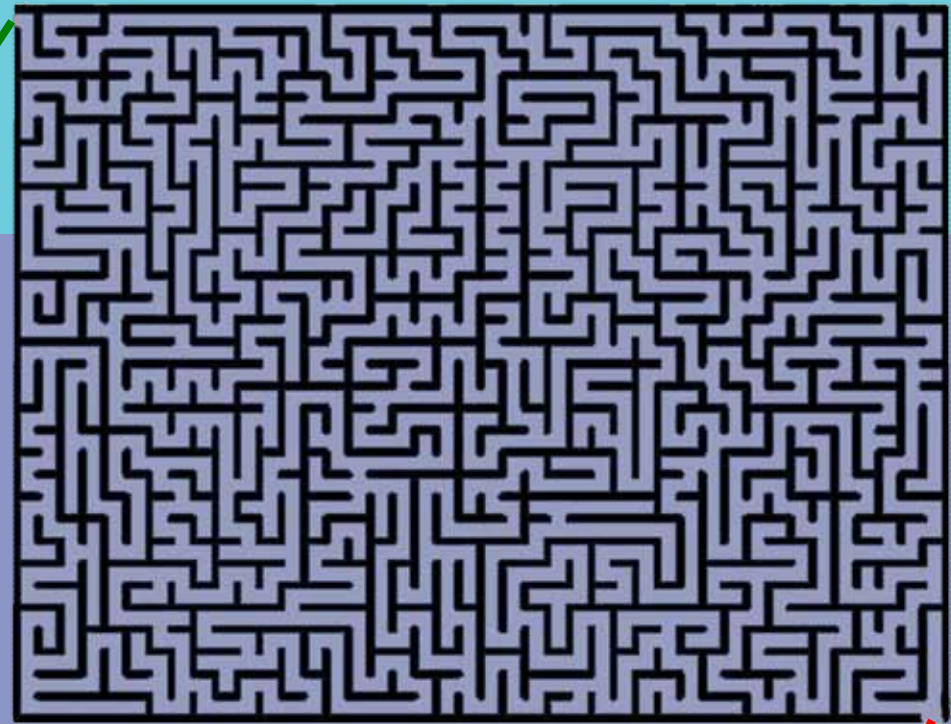
"As you can see, these are all huge changes, but still there are many more that would have to take place within a land mammal in order to change it into a whale."

In conclusion, Mr. Jones said, "It is very clear from the biblical account of Creation that whales, and other sea creatures were created on Day Five, a day before God created the land animals (Genesis 1:20-25)."



REFERENCES

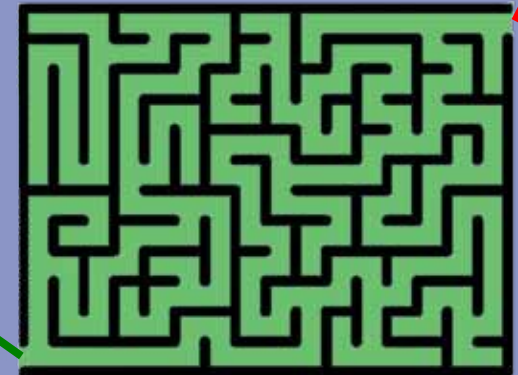
- <sup>1</sup> <https://creation.com/the-world-of-whales>
- <sup>2</sup> <https://www.whalefacts.org/do-whales-have-ears/>
- <sup>3</sup> <https://creation.com/the-world-of-whales>
- <sup>4</sup> <https://answersingenesis.org/aquatic-animals/blue-whale-mammoth-of-sea/>
- <sup>5</sup> Ibid
- <sup>6</sup> <https://creationmoments.com/sermons/whales-engineered-for-water/>
- <sup>7</sup> <https://creation.com/the-world-of-whales>
- <sup>8</sup> <https://answersingenesis.org/aquatic-animals/blue-whale-mammoth-of-sea/>
- \* Picture of Andrewsarchus: *public domain* User:DiBgd
- \* Picture of whale: <https://www.goodfreephotos.com>
- \* Picture of cow: Keith Weller/USDA



**CHALLENGING**  
 Help the mother whale find the path through the maze to get to her baby.

P	D	C	M	I	X	Y	S	B	O	G	E	F	B	N
K	M	Y	Z	A	N	I	E	T	C	O	L	C	I	J
F	R	O	S	V	M	L	Z	O	S	O	C	A	O	M
L	F	L	U	K	E	M	U	W	W	R	R	I	M	N
I	I	K	U	T	W	M	A	F	H	B	E	Z	Q	O
P	T	L	Z	E	H	S	P	L	I	Z	C	U	I	S
P	M	M	O	P	W	R	H	X	S	T	H	X	O	E
E	W	P	P	D	R	D	X	V	T	Z	O	B	C	Q
R	H	H	F	Y	E	E	P	K	L	Y	E	F	L	X
S	A	N	A	O	B	T	S	C	E	F	S	B	I	Q
G	L	K	X	Z	A	M	O	S	S	E	O	Q	C	S
U	E	O	I	U	L	T	I	Z	U	A	X	F	K	E
Y	K	A	O	Z	E	A	H	L	W	R	B	R	S	C
X	C	Q	O	Z	E	O	F	X	K	K	E	V	J	O
N	G	X	G	X	N	J	P	H	Y	Z	L	S	M	W

**EASY**  
 Help the baby whale find the path through the maze to get to its mother



**WORDSEARCH**  
 Look for the words from the WORD LIST below. The hidden word might be up, down, sideways or slanted, but not backwards.

**WORD LIST**  
 BALEEN BRAIN CLICKS COW ECHOES FLIPPERS FLUKE  
 MAMMALS MILK NOSE PRESSURES WHALE WHISTLES WOLF

FOR ANSWERS GO TO: <http://www.discovercreation.org/kids/NewsletterAnswers.htm>

Puzzles by Lanny Johnson © AOI 2019  
 Mazes adapted from [krazydad.com/puzzles](http://krazydad.com/puzzles)

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