

**DID**  
**MARS**  
**EVER LOOK**  
**LIKE EARTH ?**

1  
00:00:02,428 --> 00:00:04,579  
Did Mars Ever Look Like Earth?

2  
00:00:08,303 --> 00:00:10,160  
We Asked a NASA Scientist.

3  
00:00:10,160 --> 00:00:17,280  
Well, yes it did. Whenever the solar system first  
formed over four billion years ago, Mars and

4  
00:00:17,280 --> 00:00:22,160  
Earth formed out of the same stuff and so they  
looked very similar. While today, whenever we look

5  
00:00:22,160 --> 00:00:27,840  
at Mars, we see a very dry planet as compared  
to the Earth, which is you know our blue marble,

6  
00:00:27,840 --> 00:00:34,720  
we see evidence of past lakes and streams.  
It may have even had a shallow northern ocean.

7  
00:00:34,720 --> 00:00:38,560  
However, they diverged and we have  
two very different planets today.

8  
00:00:38,560 --> 00:00:42,800  
As the Earth progressed with plate  
tectonics and the development of life,

9  
00:00:42,800 --> 00:00:49,118  
Mars' geologic activity subsided, lost that water  
and it became a much drier planet.

10  
00:00:49,118 --> 00:00:54,960  
That's part of why it's so fascinating to study Mars  
that helps us understand more about Mars' past

11  
00:00:54,960 --> 00:01:00,640

and future, as well as understanding Earth and  
planetary evolution both in our solar system

12  
00:01:00,640 --> 00:01:08,769  
and beyond. So, did Mars ever look like Earth?  
Well, yes it did. A very, very long time ago.