1
00:00:05,030 --> 00:00:02,230
five years ago nasa's mars

2
00:00:07,349 --> 00:00:05,040
reconnaissance orbiter mro launched in

3
00:00:09,509 --> 00:00:07,359
search of evidence that water persisted

4
00:00:11,430 --> 00:00:09,519
on the surface of mars over a prolonged

5
00:00:12,390 --> 00:00:11,440
period of time three

6
00:00:14,310 --> 00:00:12,400
two

7
00:00:17,750 --> 00:00:14,320
one ignition

8
00:00:20,790 --> 00:00:17,760
and liftoff of the atlas v rocket with

9
00:00:23,429 --> 00:00:20,800
mro surveying for the deepest insights

10
00:00:25,670 --> 00:00:23,439
into the mysterious evolution of mars

11
00:00:27,910 --> 00:00:25,680
mro's science objectives make it the

12
00:00:29,990 --> 00:00:27,920
critical next step in nasa's mars

13
00:00:32,549 --> 00:00:30,000

exploration program of following the

14
00:00:35,190 --> 00:00:32,559
water as a multi-mission strategy for

15
00:00:37,590 --> 00:00:35,200
learning about mars changing climate

16
00:00:39,190 --> 00:00:37,600
geologic history and potential ability

17
00:00:41,670 --> 00:00:39,200
to sustain life

18
00:00:44,150 --> 00:00:41,680
since its launch mro has continued to

19
00:00:45,670 --> 00:00:44,160
analyze minerals look for water trace

20
00:00:47,750 --> 00:00:45,680
the distribution of dust in the

21
00:00:48,790 --> 00:00:47,760
atmosphere and monitor the martian

22
00:00:51,430 --> 00:00:48,800
weather

23
00:00:53,750 --> 00:00:51,440
in addition to its own science the mars

24
00:00:55,830 --> 00:00:53,760
reconnaissance orbiter also serves as a

25
00:00:59,029 --> 00:00:55,840
communications relay satellite for

26
00:01:01,349 --> 00:00:59,039
missions that land on mars like the 2007

27
00:01:04,229 --> 00:01:01,359
phoenix mars lander mission and the

28
00:01:06,390 --> 00:01:04,239
upcoming msl or mars science laboratory