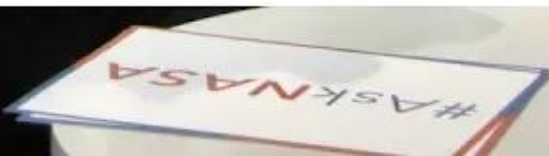


#AskNASA

WHY ARE WE GOING TO THE MOON?



1
00:00:03,040 --> 00:00:14,000
hi I'm Jim Green better known as Lunak
and this is ask NASA

2
00:00:15,000 --> 00:00:22,630
are we ready for the first question let's see I'm getting
a sense of it yes we're going to the

3
00:00:22,630 --> 00:00:27,009
moon and we're doing it for many
important reasons is because we want to

4
00:00:27,009 --> 00:00:31,930
practice on going to Mars
things that we want to do is to learn to

5
00:00:31,930 --> 00:00:40,630
live and work on a planetary surface of
course it's got to be about the water

6
00:00:40,630 --> 00:00:45,190
how are we gonna use it we're gonna
drink it that's the first thing the

7
00:00:45,190 --> 00:00:50,829
second thing is we can take those two
elements apart and use them for rocket

8
00:00:50,829 --> 00:00:57,130
fuel or we can just simply use the
oxygen to breathe we want to be able to

9
00:00:57,140 --> 00:01:04,299
look at this water tease it out through
cores and understand the water history

10
00:01:04,320 --> 00:01:08,800
of the moon just that will be fantastic

11

00:01:13,000 --> 00:01:16,800
ah yes the South Pole it's fascinating

12
00:01:16,800 --> 00:01:24,060
let's see what it looks like here's some
LRO data and it shows us all the areas

13
00:01:24,070 --> 00:01:29,500
that have sunlight and all those areas
that never receive any sunlight these

14
00:01:29,500 --> 00:01:34,510
are the areas that have the water what
equipment are we going to take to the

15
00:01:34,510 --> 00:01:38,770
mound well this is going to be done with
the commercial groups that are planning

16
00:01:38,770 --> 00:01:43,180
to have Landers and Rovers and we're
gonna ride along we're gonna take

17
00:01:43,180 --> 00:01:48,770
scientific instruments with us and tease
out the impact history of the Moon

18
00:01:48,770 --> 00:01:54,000
that will tell us how the earth and the
moon evolved together

19
00:01:56,869 --> 00:02:03,829
let's find out what else is going on at
Mars ah yes marnik knows the answer to

20
00:02:03,829 --> 00:02:09,280
that and it's right here this is one of
our fantastic Rovers it's called

21
00:02:09,280 --> 00:02:15,140

curiosity and it's currently roving on
Mars today we need to know what that is

22

00:02:15,140 --> 00:02:22,099

because it will tell us if Mars is like
earth all right back it to me why is

23

00:02:22,099 --> 00:02:28,370

Mars red Mars is red because it's been
oxidized that means it has material on

24

00:02:28,370 --> 00:02:32,870

the surface that grabs that oxygen and
turns it red

25

00:02:32,870 --> 00:02:37,730

how are the Moon and Mars similar well
that's our plan we're gonna go to both

26

00:02:37,730 --> 00:02:41,630

how are the moon of Mars different well
one's bigger than the other

27

00:02:41,630 --> 00:02:49,040

do you know Bruno Mars plays real well
he's the one that wants to go to Mars

28

00:02:49,040 --> 00:02:54,170

too we ought to take him do sound waves
travel on Mars sound waves do travel on

29

00:02:54,170 --> 00:03:00,080

Mars but not on the moon oh cool what's
your favorite planet I love all my

30

00:03:00,080 --> 00:03:04,940

children equally have you ever named a
NASA science mission well a couple I was

31

00:03:04,940 --> 00:03:09,890

involved in the image mission so I
helped name that the curiosity was the

32

00:03:09,890 --> 00:03:14,810

one I helped name I didn't put in the
essay but I knew it when I saw it that

33

00:03:14,810 --> 00:03:20,230

was the name that needed to be can you
describe the solar system in one word

34

00:03:20,230 --> 00:03:23,230

massive