



1
00:01:36,950 --> 00:01:34,230
the osiris-rex mission is a mission that

2
00:01:39,429 --> 00:01:36,960
primarily is going to bring a sample of

3
00:01:41,230 --> 00:01:39,439
a primitive asteroid back to earth so

4
00:01:44,069 --> 00:01:41,240
that we can study it completely

5
00:01:45,670 --> 00:01:44,079
uncontaminated by any other reactions on

6
00:01:47,830 --> 00:01:45,680
the earth

7
00:01:50,069 --> 00:01:47,840
the meteorites that we pick up could

8
00:01:52,230 --> 00:01:50,079
have had other interactions with organic

9
00:01:55,030 --> 00:01:52,240
materials on the surface of the earth so

10
00:01:56,550 --> 00:01:55,040
they're not pristine the scientific

11
00:01:59,350 --> 00:01:56,560
objectives are to understand the

12
00:02:00,950 --> 00:01:59,360
material that was available for the

13
00:02:02,870 --> 00:02:00,960

formation of the earth the origin of

14

00:02:05,030 --> 00:02:02,880

life things like that at the very

15

00:02:06,550 --> 00:02:05,040

beginning of the solar system in order

16

00:02:08,630 --> 00:02:06,560

to do that we need to bring back a

17

00:02:09,589 --> 00:02:08,640

sample and do the analysis of that

18

00:02:11,830 --> 00:02:09,599

sample

19

00:02:13,430 --> 00:02:11,840

in our laboratories we can do much more

20

00:02:17,110 --> 00:02:13,440

sophisticated analysis in the

21

00:02:20,550 --> 00:02:17,120

laboratories than we can at the

22

00:02:21,910 --> 00:02:20,560

at rq36 simply because you can't carry a

23

00:02:23,589 --> 00:02:21,920

whole laboratory with you on a

24

00:02:24,949 --> 00:02:23,599

spacecraft

25

00:02:26,869 --> 00:02:24,959

the reason asteroid research is

26

00:02:28,949 --> 00:02:26,879

important is because

27

00:02:31,830 --> 00:02:28,959

the asteroids themselves are leftover

28

00:02:34,070 --> 00:02:31,840

remnants of the rocks and the dust and

29

00:02:36,150 --> 00:02:34,080

possibly some of the gas that's embedded

30

00:02:37,270 --> 00:02:36,160

in those those rocks and dust and

31

00:02:39,430 --> 00:02:37,280

crevices

32

00:02:41,830 --> 00:02:39,440

uh from the early solar system it's

33

00:02:44,470 --> 00:02:41,840

material that literally is a grab bag of

34

00:02:46,150 --> 00:02:44,480

the solar nebula at the time that that

35

00:02:47,670 --> 00:02:46,160

grab bag happened to form which was