1
00:00:05,749 --> 00:00:04,470
uh i i had a quick question the does uh

2
00:00:07,670 --> 00:00:05,759
weightlessness

3
00:00:22,310 --> 00:00:07,680
have an impact in terms of

4
00:00:26,470 --> 00:00:24,550
we just arrived here uh just a few days

5
00:00:28,870 --> 00:00:26,480
ago and uh it's taking a while to get

6
00:00:30,630 --> 00:00:28,880
used to for me personally missing a

7
00:00:32,310 --> 00:00:30,640
pillow you're used to laying down on a

8
00:00:35,350 --> 00:00:32,320
mattress and having a place to rest your

9
00:00:39,830 --> 00:00:35,360
head and uh so it's it's taken uh taking

10
00:00:44,069 --> 00:00:42,630
well the uh i know

11
00:00:46,069 --> 00:00:44,079
the kids got a chance to ask some

12
00:00:47,670 --> 00:00:46,079
questions i want to make sure that uh if

13
00:00:48,470 --> 00:00:47,680

there are any members of congress who've

14
00:00:50,150 --> 00:00:48,480
got

15
00:00:51,830 --> 00:00:50,160
uh some questions that they're

16
00:00:53,430 --> 00:00:51,840
interested in that they've got a chance

17
00:00:55,510 --> 00:00:53,440
too

18
00:01:00,470 --> 00:00:55,520
okay hold on this is uh k bailey

19
00:01:06,630 --> 00:01:03,349
i understand that you are doing uh

20
00:01:09,590 --> 00:01:06,640
experiments on salmonella and watching

21
00:01:11,750 --> 00:01:09,600
those organisms and how they react and

22
00:01:14,630 --> 00:01:11,760
grow and we've had some salmonella

23
00:01:16,469 --> 00:01:14,640
problems here on earth

24
00:01:19,670 --> 00:01:16,479
what do you think you will be able to

25
00:01:22,070 --> 00:01:19,680
learn from the the

26
00:01:28,950 --> 00:01:22,080
environment in space that maybe you

27
00:01:31,749 --> 00:01:30,149
actually going to have a bit of a hard

28
00:01:34,469 --> 00:01:31,759
time answering that question we do

29
00:01:36,230 --> 00:01:34,479
indeed have a an experiment called the

30
00:01:38,310 --> 00:01:36,240
national laboratory program vaccine

31
00:01:39,429 --> 00:01:38,320
experiment in which salmonella

32
00:01:41,830 --> 00:01:39,439
um

33
00:01:44,069 --> 00:01:41,840
are in which certain micro organisms are

34
00:01:45,590 --> 00:01:44,079
exposed to salmonella my job as an

35
00:01:47,590 --> 00:01:45,600
astronaut was basically to turn the

36
00:01:49,429 --> 00:01:47,600
crank and activate the experiment and

37
00:01:51,830 --> 00:01:49,439
then after about four or five days turn

38
00:01:53,910 --> 00:01:51,840

the crank again and deactivate it

39
00:01:55,109 --> 00:01:53,920
i'm not exactly sure what the scientists

40
00:01:56,550 --> 00:01:55,119
are going to do with the data back at

41
00:01:58,550 --> 00:01:56,560
home or with the samples we are

42
00:02:01,429 --> 00:01:58,560
returning however eight big vials or

43
00:02:03,030 --> 00:02:01,439
samples of these uh of these cultures

44
00:02:05,109 --> 00:02:03,040
cultures with microorganisms and

45
00:02:13,430 --> 00:02:05,119
salmonella and let the scientists go to

46
00:02:20,390 --> 00:02:15,830
there's bill nelson he's uh he knows a

47
00:02:24,710 --> 00:02:23,589
hey guys i wish i were up there with you

48
00:02:27,350 --> 00:02:24,720
uh

49
00:02:30,630 --> 00:02:27,360
you are just getting to the point where

50
00:02:33,110 --> 00:02:30,640
it's really looking like a full up

51
00:02:35,830 --> 00:02:33,120
national laboratory where we can really

52
00:02:39,110 --> 00:02:35,840
do the experimentation

53
00:02:41,910 --> 00:02:39,120
when will you have it full up ready to

54
00:02:53,110 --> 00:02:41,920
go where we can then reap the results of

55
00:02:57,910 --> 00:02:56,390
it's nice to hear you again sir um

56
00:03:00,070 --> 00:02:57,920
the international space station has

57
00:03:02,550 --> 00:03:00,080
already been delivering uh some of the

58
00:03:05,589 --> 00:03:02,560
science we've promised what the

59
00:03:07,990 --> 00:03:05,599
where we are now is uh and expedition 18

60
00:03:10,470 --> 00:03:08,000
our crew has uh we're making the turn

61
00:03:12,710 --> 00:03:10,480
from three people to six people the next

62
00:03:15,350 --> 00:03:12,720
crew that comes after us a few months

63
00:03:17,350 --> 00:03:15,360

after uh after we get replaced we'll

64
00:03:18,790 --> 00:03:17,360
have uh we'll have six people on board

65
00:03:20,550 --> 00:03:18,800
the international space station so

66
00:03:22,309 --> 00:03:20,560
that's why we needed the solar power

67
00:03:24,229 --> 00:03:22,319
that's why we needed the second toilet

68
00:03:26,550 --> 00:03:24,239
and other things so that we have a room

69
00:03:28,309 --> 00:03:26,560
and uh facilities for six people

70
00:03:31,430 --> 00:03:28,319
and uh once we have six people we'll

71
00:03:33,670 --> 00:03:31,440
have enough time and energy uh solar

72
00:03:35,910 --> 00:03:33,680
power i mean to uh to run all the

73
00:03:37,990 --> 00:03:35,920
experiments that we can and then it's

74
00:03:39,910 --> 00:03:38,000
just a matter of getting enough

75
00:03:40,869 --> 00:03:39,920
experiments up and down from the space

76
00:03:43,750 --> 00:03:40,879
station

77
00:03:45,910 --> 00:03:43,760
to really reap on on that science we've

78
00:03:48,149 --> 00:03:45,920
already been delivering and we got a lot

79
00:03:49,750 --> 00:03:48,159
more to come and like sandy said there's

80
00:03:51,589 --> 00:03:49,760
a lot of things we don't know so there's

81
00:03:56,710 --> 00:03:51,599
some really interesting discoveries out

82
00:04:00,149 --> 00:03:58,390
do any of the young people have any more

83
00:04:02,710 --> 00:04:00,159
questions hold on one second we've got

84
00:04:06,949 --> 00:04:02,720
one here

85
00:04:06,959 --> 00:04:18,229
i asked if you'd love doing your job

86
00:04:23,590 --> 00:04:21,030
yes it's wonderful to work in space ever

87
00:04:25,590 --> 00:04:23,600
since i saw apollo 11 at luna landing

88
00:04:28,150 --> 00:04:25,600

when i was 5 years old i always longed

89
00:04:30,390 --> 00:04:28,160
for going to space and work and i hear a

90
00:04:32,870 --> 00:04:30,400
dream came true i had to study hard and

91
00:04:35,189 --> 00:04:32,880
work hard but i'm so happy to be here

92
00:04:37,350 --> 00:04:35,199
and i love loving living here and

93
00:04:40,710 --> 00:04:37,360
working with so many wonderful people

94
00:04:45,830 --> 00:04:43,590
the uh just a couple of logistical

95
00:04:48,310 --> 00:04:45,840
questions how long did it take from the

96
00:04:54,830 --> 00:04:48,320
time of launch how long did it get uh

97
00:04:59,990 --> 00:04:57,590
station uh well mr president let me

98
00:05:01,189 --> 00:05:00,000
answer that in two uh uh two ways first

99
00:05:03,350 --> 00:05:01,199
of all it takes us about eight and a

100
00:05:05,909 --> 00:05:03,360
half minutes to get to orbit and at that

101
00:05:08,070 --> 00:05:05,919
time we're we're going 17 500 miles an

102
00:05:09,510 --> 00:05:08,080
hour but we're in a bit of a tail chase

103
00:05:11,590 --> 00:05:09,520
with the space station and it's

104
00:05:13,510 --> 00:05:11,600
approximately about a day and a half to

105
00:05:16,870 --> 00:05:13,520
two days later that we actually rejoin

106
00:05:19,909 --> 00:05:18,950
okay so eight minutes just to get into

107
00:05:21,990 --> 00:05:19,919
orbit

108
00:05:24,230 --> 00:05:22,000
but then you've got to

109
00:05:25,590 --> 00:05:24,240
basically try to to catch up with the

110
00:05:27,749 --> 00:05:25,600
space station