

A man with dark hair, wearing a dark suit jacket, a light blue checkered shirt, and a blue patterned tie, is shown from the chest up. He has a surprised or concerned expression, with wide eyes and a slightly open mouth. The background is a dimly lit room with a lamp on the left and a large plant on the right. Overlaid on the right side of the image is the text "The Doctor IS IN" in a bold, yellow, sans-serif font. The word "The" is smaller than "Doctor", and "IS IN" is in all caps and larger than "Doctor".

**The
Doctor
IS IN**

1
00:00:03,909 --> 00:00:01,829
i think what's interesting about the

2
00:00:04,870 --> 00:00:03,919
space program and the space station is

3
00:00:06,389 --> 00:00:04,880
that sometimes you have these

4
00:00:14,910 --> 00:00:06,399
developments that

5
00:00:20,390 --> 00:00:18,390
predicted a lot of what we do in life

6
00:00:22,630 --> 00:00:20,400
uh has in some ways been impacted by the

7
00:00:23,990 --> 00:00:22,640
space program the twin study in

8
00:00:26,710 --> 00:00:24,000
particular

9
00:00:28,230 --> 00:00:26,720
anytime you have a first of its kind and

10
00:00:30,390 --> 00:00:28,240
a first of its kind it would be very

11
00:00:31,509 --> 00:00:30,400
very hard to replicate

12
00:00:33,590 --> 00:00:31,519
it's going to it's going to be

13
00:00:34,709 --> 00:00:33,600

intriguing i think to all medical

14

00:00:36,630 --> 00:00:34,719

scientists

15

00:00:38,069 --> 00:00:36,640

and in this particular case

16

00:00:39,030 --> 00:00:38,079

the questions that they're trying to

17

00:00:41,190 --> 00:00:39,040

answer

18

00:00:44,150 --> 00:00:41,200

are big questions

19

00:00:46,150 --> 00:00:44,160

if we start to get to a situation on our

20

00:00:48,790 --> 00:00:46,160

planet where we need to seriously think

21

00:00:50,069 --> 00:00:48,800

about colonizing other planets

22

00:00:52,150 --> 00:00:50,079

this is the sort of study we're going to

23

00:00:54,630 --> 00:00:52,160

look back on and say well

24

00:00:56,389 --> 00:00:54,640

here's why it is possible but here's

25

00:00:57,830 --> 00:00:56,399

what we need to do to make sure that

26

00:01:02,790 --> 00:00:57,840

it's a safe

27

00:01:05,750 --> 00:01:04,469

we're all going to sort of need to

28

00:01:08,070 --> 00:01:05,760

understand

29

00:01:09,990 --> 00:01:08,080

what life is like in a place like the

30

00:01:11,590 --> 00:01:10,000

international space station how will our

31

00:01:13,510 --> 00:01:11,600

bodies change

32

00:01:15,670 --> 00:01:13,520

will they change in negative ways but

33

00:01:17,910 --> 00:01:15,680

also maybe positive ways

34

00:01:24,230 --> 00:01:17,920

this is there's no place literally on

35

00:01:28,469 --> 00:01:26,149

i'd love to go to space i think like a

36

00:01:30,870 --> 00:01:28,479

lot of kids i've dreamed about it since

37

00:01:32,710 --> 00:01:30,880

i was you know very young

38

00:01:34,149 --> 00:01:32,720

and i think what's great about it for me

39

00:01:36,630 --> 00:01:34,159

right now still

40

00:01:38,710 --> 00:01:36,640

is that um i don't even know what i

41

00:01:41,990 --> 00:01:38,720

would learn i don't even know what i

42

00:01:43,270 --> 00:01:42,000

don't know there aren't many things left

43

00:01:45,910 --> 00:01:43,280

that are so

44

00:01:47,510 --> 00:01:45,920

so unique so different

45

00:01:51,429 --> 00:01:47,520

so rare

46

00:01:55,030 --> 00:01:52,789

it's thought that there are 10 times

47

00:01:57,270 --> 00:01:55,040

more bacteria in our gut than there are

48

00:01:58,709 --> 00:01:57,280

cells in our entire body

49

00:02:00,389 --> 00:01:58,719

there's like three pounds of this