



1
00:00:28,220 --> 00:00:25,099
Observatory school laboratory home this

2
00:00:30,439 --> 00:00:28,230
is Space Station freedom where

3
00:00:35,930 --> 00:00:30,449
international teams of astronauts will

4
00:00:38,330 --> 00:00:35,940
live and work permanently in space eight

5
00:00:39,410 --> 00:00:38,340
crew members can live comfortably aboard

6
00:00:41,720 --> 00:00:39,420
freedom

7
00:00:44,979 --> 00:00:41,730
the astronauts private quarters are

8
00:00:48,560 --> 00:00:44,989
equipped with computers VCRs and

9
00:00:50,959 --> 00:00:48,570
telecommunications board each SB moves

10
00:00:58,189 --> 00:00:50,969
on the freedom for three to six months

11
00:01:06,000 --> 00:00:58,199
at a time the habitation maintenance

12
00:01:12,540 --> 00:01:06,010
centers appear

13
00:01:14,460 --> 00:01:12,550

there is no grammar scientists in u.s.

14

00:01:18,870 --> 00:01:14,470

laboratory module can perform

15

00:01:21,810 --> 00:01:18,880

experiments not possible on earth the

16

00:01:24,030 --> 00:01:21,820

microgravity of space allows astronauts

17

00:01:26,550 --> 00:01:24,040

to grow perfect crystals and produce

18

00:01:31,010 --> 00:01:26,560

chemicals with an unprecedented level of

19

00:01:32,130 --> 00:01:31,020

purity they experiment with robotic

20

00:01:36,420 --> 00:01:32,140

electronics

21

00:01:43,770 --> 00:01:36,430

ceramic planters and himself researching

22

00:01:45,830 --> 00:01:43,780

that advanced technology an important

23

00:01:51,070 --> 00:01:45,840

mission aboard freedom is Earth

24

00:01:57,440 --> 00:01:54,140

the luminous billed horizon is our

25

00:02:02,000 --> 00:01:57,450

atmosphere it seems so fragile yet it

26

00:02:05,750 --> 00:02:02,010

shields all living things from freedom's

27

00:02:08,060 --> 00:02:05,760

orbit 250 miles above the earth our own

28

00:02:09,949 --> 00:02:08,070

planet is perceived as a delicate living

29

00:02:14,870 --> 00:02:09,959

organism that needs to be protected

30

00:02:20,920 --> 00:02:17,690

freedom's external payloads are attached

31

00:02:23,360 --> 00:02:20,930

to a trust under 500 feet long

32

00:02:26,540 --> 00:02:23,370

instruments are trained on the sky as

33

00:02:28,510 --> 00:02:26,550

well as their information gathered

34

00:02:31,660 --> 00:02:28,520

enhances research in astronomy

35

00:02:38,780 --> 00:02:31,670

oceanography geology and meteorology

36

00:02:43,330 --> 00:02:38,790

changing the way we understand the Space

37

00:02:46,970 --> 00:02:43,340

Shuttle is a welcome sign aboard freedom

38

00:02:51,490 --> 00:02:46,980

to keep the stationing running the space

39

00:03:18,590 --> 00:03:13,400

28 1990s when the station is operational

40

00:03:21,860 --> 00:03:18,600

a new era begins now that we can live

41

00:03:24,290 --> 00:03:21,870

and work in space it's easy to imagine

42

00:03:28,250 --> 00:03:24,300

life on the moon