



50  
km/h

17-4



1  
00:00:23,830 --> 00:00:20,710  
i'm on a mission

2  
00:00:27,189 --> 00:00:23,840  
and the mission is to collect things

3  
00:00:28,870 --> 00:00:27,199  
for the kids in micro g experiment

4  
00:00:34,470 --> 00:00:28,880  
i have a whole big long list of things

5  
00:00:38,150 --> 00:00:36,069  
first up

6  
00:00:41,270 --> 00:00:38,160  
is node one where we keep a lot of our

7  
00:00:42,790 --> 00:00:41,280  
sort of supplies general supplies and it

8  
00:00:44,389 --> 00:00:42,800  
looks like that's the kinds of things

9  
00:00:46,229 --> 00:00:44,399  
that they are looking for for their

10  
00:00:49,110 --> 00:00:46,239  
experiments

11  
00:00:51,670 --> 00:00:49,120  
first stop though is

12  
00:00:53,270 --> 00:00:51,680  
reading directions

13  
00:00:55,029 --> 00:00:53,280

never know what you got to do until you

14

00:00:56,950 --> 00:00:55,039

read the directions

15

00:00:58,389 --> 00:00:56,960

so here we go

16

00:01:00,709 --> 00:00:58,399

i've already pulled up the procedure

17

00:01:02,549 --> 00:01:00,719

here and it gives me

18

00:01:05,270 --> 00:01:02,559

a list of all the things that i need to

19

00:01:07,030 --> 00:01:05,280

collect and also the places that i need

20

00:01:09,750 --> 00:01:07,040

to collect them from

21

00:01:11,030 --> 00:01:09,760

so let's start finding stuff

22

00:01:13,750 --> 00:01:11,040

the first thing that they're looking for

23

00:01:15,670 --> 00:01:13,760

is salt and pepper and we keep them

24

00:01:17,510 --> 00:01:15,680

right here where we

25

00:01:19,109 --> 00:01:17,520

keep our food and of course regular salt

26  
00:01:20,469 --> 00:01:19,119  
and pepper are not going to work for us

27  
00:01:23,670 --> 00:01:20,479  
up here in space

28  
00:01:25,749 --> 00:01:23,680  
so we have to use liquid salt and pepper

29  
00:01:29,270 --> 00:01:25,759  
and this looks kind of ugly but it

30  
00:01:30,550 --> 00:01:29,280  
tastes pretty good this is liquid pepper

31  
00:01:33,270 --> 00:01:30,560  
and

32  
00:01:36,069 --> 00:01:33,280  
liquid salt looks just like water

33  
00:01:37,510 --> 00:01:36,079  
but it is actually this liquid that when

34  
00:01:41,030 --> 00:01:37,520  
you put just a little bit of it in your

35  
00:01:43,109 --> 00:01:41,040  
food you taste the salt okay so first

36  
00:01:45,670 --> 00:01:43,119  
two things on our list we've got

37  
00:01:47,910 --> 00:01:45,680  
first we have to find

38  
00:01:48,950 --> 00:01:47,920

some of the office supplies

39

00:01:51,270 --> 00:01:48,960

and

40

00:01:55,670 --> 00:01:51,280

they're in this

41

00:01:58,469 --> 00:01:55,680

location here but i need another ctb or

42

00:01:59,910 --> 00:01:58,479

transport bag so this one is not the

43

00:02:02,310 --> 00:01:59,920

right one

44

00:02:03,910 --> 00:02:02,320

so this one comes out but let's see i

45

00:02:05,910 --> 00:02:03,920

don't want it to run away so i have to

46

00:02:07,910 --> 00:02:05,920

tie it down

47

00:02:10,070 --> 00:02:07,920

sometimes this is just what life is all

48

00:02:11,830 --> 00:02:10,080

about on the space station is

49

00:02:14,550 --> 00:02:11,840

figuring out

50

00:02:17,670 --> 00:02:14,560

which bag it is and the bag you want is

51  
00:02:18,949 --> 00:02:17,680  
almost always the one that is not

52  
00:02:20,949 --> 00:02:18,959  
on the top

53  
00:02:22,710 --> 00:02:20,959  
but that's okay we'll just slide that

54  
00:02:28,070 --> 00:02:22,720  
along

55  
00:02:30,309 --> 00:02:28,080  
so in some ways it's easier than down on

56  
00:02:31,990 --> 00:02:30,319  
earth because everything floats around

57  
00:02:33,990 --> 00:02:32,000  
in some ways it's harder like that one

58  
00:02:35,589 --> 00:02:34,000  
just floated away and i probably have to

59  
00:02:37,110 --> 00:02:35,599  
go get them soon

60  
00:02:39,830 --> 00:02:37,120  
okay

61  
00:02:43,110 --> 00:02:39,840  
and then there we go

62  
00:02:45,589 --> 00:02:43,120  
here is neither one of those states

63  
00:02:46,869 --> 00:02:45,599

now i'll be able to find them because

64

00:02:48,470 --> 00:02:46,879

i'm gonna go

65

00:02:50,550 --> 00:02:48,480

and just watch where they go they're

66

00:02:52,550 --> 00:02:50,560

basically going to go wherever the

67

00:02:53,830 --> 00:02:52,560

airflow takes them because even though

68

00:02:55,750 --> 00:02:53,840

they're kind of heavy

69

00:02:57,910 --> 00:02:55,760

they still are controlled by really

70

00:03:00,710 --> 00:02:57,920

small forces like airflow

71

00:03:03,589 --> 00:03:00,720

okay so let's carefully open this bag so

72

00:03:05,350 --> 00:03:03,599

that everything just doesn't come

73

00:03:08,949 --> 00:03:05,360

crashing out

74

00:03:12,550 --> 00:03:08,959

and i think in this bag we want to find

75

00:03:14,630 --> 00:03:12,560

okay we want to find pencils

76

00:03:16,470 --> 00:03:14,640

which i've got some of

77

00:03:17,430 --> 00:03:16,480

these are mechanical pencils it asked

78

00:03:19,990 --> 00:03:17,440

for

79

00:03:21,030 --> 00:03:20,000

those two

80

00:03:23,589 --> 00:03:21,040

let's see

81

00:03:25,270 --> 00:03:23,599

what else i wanted binder clips

82

00:03:26,789 --> 00:03:25,280

and you can see already what the

83

00:03:28,470 --> 00:03:26,799

challenge is going to be i'm looking

84

00:03:29,430 --> 00:03:28,480

through trying to find the things that i

85

00:03:31,190 --> 00:03:29,440

need

86

00:03:33,670 --> 00:03:31,200

i'm also looking to find out what else

87

00:03:34,710 --> 00:03:33,680

is available here in case i need

88

00:03:35,910 --> 00:03:34,720

something

89

00:03:38,630 --> 00:03:35,920

okay

90

00:03:40,630 --> 00:03:38,640

rings rubber bands

91

00:03:43,030 --> 00:03:40,640

highlighters i don't see binder clips

92

00:03:44,789 --> 00:03:43,040

yet and you can see that the amount that

93

00:03:47,350 --> 00:03:44,799

i have to hold onto is getting to be

94

00:03:49,750 --> 00:03:47,360

more and more post-it notes nope those

95

00:03:51,270 --> 00:03:49,760

weren't on the list

96

00:03:52,470 --> 00:03:51,280

like this

97

00:03:54,949 --> 00:03:52,480

and

98

00:03:57,030 --> 00:03:54,959

color coding labels interesting for some

99

00:03:59,190 --> 00:03:57,040

time but not what i need

100

00:04:00,630 --> 00:03:59,200

more post-it notes again good to know

101  
00:04:02,390 --> 00:04:00,640  
where they are

102  
00:04:04,630 --> 00:04:02,400  
i'm still getting to know my way around

103  
00:04:07,270 --> 00:04:04,640  
the station now let's see here is

104  
00:04:09,509 --> 00:04:07,280  
colored pencils

105  
00:04:12,149 --> 00:04:09,519  
i don't quite know what the kids need to

106  
00:04:14,070 --> 00:04:12,159  
do with these this these pencils yet so

107  
00:04:16,229 --> 00:04:14,080  
i don't really know whether these will

108  
00:04:23,350 --> 00:04:16,239  
do but since they're wooden i'm gonna

109  
00:04:26,870 --> 00:04:25,350  
okay

110  
00:04:28,629 --> 00:04:26,880  
and meanwhile

111  
00:04:30,390 --> 00:04:28,639  
i have to actually run and do another

112  
00:04:31,670 --> 00:04:30,400  
task so

113  
00:04:34,550 --> 00:04:31,680

i'm going to

114

00:04:36,469 --> 00:04:34,560

close this up

115

00:04:39,030 --> 00:04:36,479

zip it up oh my goodness that could be

116

00:04:51,110 --> 00:04:39,040

the trickiest part ah

117

00:04:55,189 --> 00:04:53,430

go and fetch those

118

00:04:57,590 --> 00:04:55,199

ones that are

119

00:04:59,189 --> 00:04:57,600

have run away before they run away and

120

00:05:01,990 --> 00:04:59,199

we don't find them anymore i mean that's

121

00:05:04,469 --> 00:05:02,000

the biggest danger

122

00:05:06,230 --> 00:05:04,479

up on the space station is to lose stuff

123

00:05:08,390 --> 00:05:06,240

so i'm gonna hang this guy right here

124

00:05:10,550 --> 00:05:08,400

for right now

125

00:05:12,710 --> 00:05:10,560

there we go

126

00:05:15,110 --> 00:05:12,720

and

127

00:05:17,029 --> 00:05:15,120

let's see if he's going to stay

128

00:05:20,469 --> 00:05:17,039

i've got my pencils

129

00:05:22,629 --> 00:05:20,479

and i have to run and get the other

130

00:05:24,629 --> 00:05:22,639

bags before they get too far away one of

131

00:05:26,070 --> 00:05:24,639

them is already halfway through the lab

132

00:05:27,029 --> 00:05:26,080

and the other one is floating right

133

00:05:45,430 --> 00:05:27,039

there

134

00:05:45,440 --> 00:05:49,990

thank you we appreciate it

135

00:05:50,000 --> 00:05:53,990

so we're cruising through node two

136

00:05:59,510 --> 00:05:55,270

come to the very forward end of the

137

00:06:05,350 --> 00:06:01,749

and so sometimes we don't quite make the

138

00:06:09,189 --> 00:06:06,950

we've got one more item to gather and

139

00:06:11,749 --> 00:06:09,199

it's in columbus this is our european

140

00:06:16,150 --> 00:06:14,150

and i don't know what

141

00:06:17,590 --> 00:06:16,160

they need these for

142

00:06:20,550 --> 00:06:17,600

but we

143

00:06:23,110 --> 00:06:20,560

are going to collect

144

00:06:24,950 --> 00:06:23,120

urine sample tubes

145

00:06:27,189 --> 00:06:24,960

okay so

146

00:06:28,390 --> 00:06:27,199

the stowage note says that these things

147

00:06:30,629 --> 00:06:28,400

are in

148

00:06:33,029 --> 00:06:30,639

columbus col

149

00:06:35,749 --> 00:06:33,039

aft one which is the first rack in the

150

00:06:38,550 --> 00:06:35,759

aft direction or backwards direction

151  
00:06:40,550 --> 00:06:38,560  
and in drawer number alpha one so the

152  
00:06:42,070 --> 00:06:40,560  
first thing i have to do is stow the

153  
00:06:43,029 --> 00:06:42,080  
things already found so i don't lose

154  
00:06:45,990 --> 00:06:43,039  
them

155  
00:06:47,590 --> 00:06:46,000  
and then i'm gonna move this over

156  
00:06:49,189 --> 00:06:47,600  
and it'll probably just sit there right

157  
00:06:51,430 --> 00:06:49,199  
like that i don't think it's going to go

158  
00:06:54,309 --> 00:06:51,440  
too far because it's on a cord there

159  
00:06:56,390 --> 00:06:54,319  
and then we open up this locker

160  
00:06:58,309 --> 00:06:56,400  
and there we go

161  
00:06:59,749 --> 00:06:58,319  
and aha right in the front which is

162  
00:07:01,270 --> 00:06:59,759  
really lucky because you've already seen

163  
00:07:03,510 --> 00:07:01,280

how often things are not right in the

164

00:07:06,390 --> 00:07:03,520

front so right in the front

165

00:07:09,110 --> 00:07:06,400

um is our tubes that we need and these

166

00:07:11,189 --> 00:07:09,120

are urine collection tubes so sometimes

167

00:07:12,390 --> 00:07:11,199

we're doing a medical experiments where

168

00:07:13,670 --> 00:07:12,400

we're trying to understand what's

169

00:07:15,990 --> 00:07:13,680

happening to our bodies up here

170

00:07:18,070 --> 00:07:16,000

especially with respect to bone loss and

171

00:07:20,230 --> 00:07:18,080

things like that and so actually what

172

00:07:21,990 --> 00:07:20,240

we'll do is when we go to the bathroom

173

00:07:23,909 --> 00:07:22,000

we'll actually collect samples which is

174

00:07:25,990 --> 00:07:23,919

easier to do than you might think

175

00:07:28,870 --> 00:07:26,000

and and we use these little tubes to do

176

00:07:31,589 --> 00:07:28,880

that so we need five of these things

177

00:07:35,029 --> 00:07:31,599

for five okay

178

00:07:36,469 --> 00:07:35,039

and i'll put these back in the locker

179

00:07:38,390 --> 00:07:36,479

i always have to put everything back

180

00:07:40,550 --> 00:07:38,400

where you found it or else we'll never

181

00:07:42,629 --> 00:07:40,560

find anything again and i also have to

182

00:07:45,589 --> 00:07:42,639

put this guy

183

00:07:48,390 --> 00:07:45,599

back let's see right like

184

00:07:49,270 --> 00:07:48,400

that so he sticks let's see it's gonna

185

00:07:50,230 --> 00:07:49,280

stick

186

00:07:51,029 --> 00:07:50,240

okay

187

00:07:51,909 --> 00:07:51,039

so

188

00:07:54,230 --> 00:07:51,919

i think

189

00:07:56,469 --> 00:07:54,240

the scavenger hunt is complete i've

190

00:07:57,990 --> 00:07:56,479

gathered all the materials some a few

191

00:08:00,230 --> 00:07:58,000

extra too just because sometimes i

192

00:08:02,070 --> 00:08:00,240

didn't understand exactly what the kids

193

00:08:04,390 --> 00:08:02,080

needed and so i took you know some

194

00:08:05,670 --> 00:08:04,400

different things in case uh in case i

195

00:08:07,350 --> 00:08:05,680

was incorrect about what they were

196

00:08:09,749 --> 00:08:07,360

looking for and we have all our

197

00:08:11,350 --> 00:08:09,759

materials all in a bag and pretty soon

198

00:08:12,950 --> 00:08:11,360

it will be time to start the