



ASTROBIOLOGY at NASA  
LIFE IN THE UNIVERSE



#AskAstr🌱Bio

1  
00:00:05,749 --> 00:00:02,510  
what is your favorite answer to fermi's

2  
00:00:08,150 --> 00:00:05,759  
question where are they oh fascinating I

3  
00:00:11,030 --> 00:00:08,160  
just read a book called where is

4  
00:00:13,009 --> 00:00:11,040  
everybody and they gave 50 reasons why

5  
00:00:16,070 --> 00:00:13,019  
aliens haven't been in contact 50

6  
00:00:19,810 --> 00:00:16,080  
plausible hypotheses of all of those I

7  
00:00:22,429 --> 00:00:19,820  
think the most reasonable is that the

8  
00:00:26,750 --> 00:00:22,439  
astronomical distance between Star

9  
00:00:30,529 --> 00:00:26,760  
systems are so incredibly huge that it

10  
00:00:33,650 --> 00:00:30,539  
is fundamentally impractical for aliens

11  
00:00:36,410 --> 00:00:33,660  
to travel between Star systems and just

12  
00:00:38,330 --> 00:00:36,420  
as an example Alpha Satori which is a

13  
00:00:40,630 --> 00:00:38,340

cluster of three stars sort of in this

14

00:00:42,310 --> 00:00:40,640

very really incredible dance going on

15

00:00:46,810 --> 00:00:42,320

three-dimensional

16

00:00:50,510 --> 00:00:46,820

orbits that's 4.2 4.26 light years away

17

00:00:53,270 --> 00:00:50,520

current rocketry would take like 80 000

18

00:00:56,569 --> 00:00:53,280

years to have a spaceship reach the