



CLIPS

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GRABBY ALIENS

1
00:00:05,190 --> 00:00:01,990
can i ask you to first off explain the

2
00:00:06,630 --> 00:00:05,200
term grab a alien

3
00:00:08,629 --> 00:00:06,640
sure so

4
00:00:10,790 --> 00:00:08,639
when we look up in the sky

5
00:00:11,830 --> 00:00:10,800
the universe looks empty

6
00:00:13,350 --> 00:00:11,840
and

7
00:00:15,829 --> 00:00:13,360
we can draw some conclusions from that

8
00:00:17,670 --> 00:00:15,839
that's data

9
00:00:20,230 --> 00:00:17,680
data about

10
00:00:22,710 --> 00:00:20,240
one kind of alien but not another and i

11
00:00:25,349 --> 00:00:22,720
want to distinguish the two so i will

12
00:00:27,509 --> 00:00:25,359
say it's data about the loud but not the

13
00:00:30,710 --> 00:00:27,519

quiet aliens

14

00:00:32,790 --> 00:00:30,720

away

15

00:00:35,270 --> 00:00:32,800

they're small they're staying small they

16

00:00:37,110 --> 00:00:35,280

don't last long they're not doing much

17

00:00:39,750 --> 00:00:37,120

they're really hard to see

18

00:00:43,030 --> 00:00:39,760

so a big empty universe is consistent

19

00:00:44,950 --> 00:00:43,040

with a lot of quiet aliens out there

20

00:00:47,190 --> 00:00:44,960

however there's another kind of alien

21

00:00:50,150 --> 00:00:47,200

this is an alien which once it appears

22

00:00:52,389 --> 00:00:50,160

starts to grow expand rapidly and then

23

00:00:55,430 --> 00:00:52,399

in the volume it touches it changes that

24

00:00:56,709 --> 00:00:55,440

volume makes a big difference

25

00:00:58,470 --> 00:00:56,719

that's the sort of thing life has done

26

00:01:00,389 --> 00:00:58,480

here on earth and humans are doing on

27

00:01:01,510 --> 00:01:00,399

earth that is when we go places we

28

00:01:02,709 --> 00:01:01,520

change things we make them look

29

00:01:05,350 --> 00:01:02,719

different

30

00:01:07,429 --> 00:01:05,360

uh that's the kind of life

31

00:01:09,030 --> 00:01:07,439

and civilization that we don't see in

32

00:01:11,750 --> 00:01:09,040

the universe and so

33

00:01:14,070 --> 00:01:11,760

loud aliens are what we're not seeing

34

00:01:16,310 --> 00:01:14,080

and that's the data to think about so

35

00:01:17,830 --> 00:01:16,320

grabby aliens is our specific