

Hubble has helped confirm that
the Milky Way will merge
with which nearby galaxy?



1
00:00:00,710 --> 00:00:11,830

[Music]

2
00:00:15,669 --> 00:00:13,990

we now realize that our own milky way

3
00:00:18,390 --> 00:00:15,679

has in the past merged with other

4
00:00:21,189 --> 00:00:18,400

galaxies and will be merging with our

5
00:00:23,269 --> 00:00:21,199

neighbor spiral the andromeda galaxy in

6
00:00:25,509 --> 00:00:23,279

a few billion years hubble has discerned

7
00:00:27,349 --> 00:00:25,519

that we're on a head-on collision

8
00:00:33,320 --> 00:00:27,359

but it shouldn't be too disruptive to

9
00:00:49,190 --> 00:00:46,869

[Music]

10
00:00:52,069 --> 00:00:49,200

what hubble has revealed is that the

11
00:00:54,630 --> 00:00:52,079

universe has in fact changed over these

12
00:00:56,950 --> 00:00:54,640

billions of years of time the early

13
00:00:58,870 --> 00:00:56,960

galaxies the very distant ones as we see

14

00:01:00,069 --> 00:00:58,880

them are simple

15

00:01:01,830 --> 00:01:00,079

[Music]

16

00:01:03,670 --> 00:01:01,840

sometimes they're messy looking they're

17

00:01:06,230 --> 00:01:03,680

small

18

00:01:08,330 --> 00:01:06,240

they haven't had time yet to form that

19

00:01:10,070 --> 00:01:08,340

grand spiral structure

20

00:01:12,630 --> 00:01:10,080

[Music]

21

00:01:14,950 --> 00:01:12,640

over time we see galaxies actually

22

00:01:17,190 --> 00:01:14,960

merging with other galaxies and growing

23

00:01:19,190 --> 00:01:17,200

bigger and bigger and those mergers by

24

00:01:21,830 --> 00:01:19,200

the way can look like train wrecks in

25

00:01:23,429 --> 00:01:21,840

our hubble images this is something that

