

Why don't we have a solar eclipse every month?



not to scale

1
00:00:00,100 --> 00:00:03,180
Music throughout

2
00:00:03,180 --> 00:00:07,340
Why don't we have a solar eclipse every month?

3
00:00:07,340 --> 00:00:12,460
The moon's orbit wobbles, changing the placement of its shadow.

4
00:00:14,760 --> 00:00:20,220
Sometimes the shadow is too high above the Earth.

5
00:00:22,520 --> 00:00:28,340
Sometimes the shadow is too low.

6
00:00:29,120 --> 00:00:32,580
To have an eclipse, it must be just right.

7
00:00:32,580 --> 00:00:35,560
Like this.