

1 take us to the microscopic level so that we can see
2 the cells that interact with asbestos fibers when you
3 take a breath.

4 In order to do that, we use an electron
5 microscope. And if I took a piece of the lung out of
6 this here or the top of the lung right here and I put
7 it in an electron microscope as we see here, and this
8 is an electron microscope, and we put the sample in
9 this chamber right here an electron beam comes down
10 and illuminates the sample and it shows up on this
11 screen here in front of me and then I can take a
12 picture of it over here and keep a permanent image of
13 what we see.

14 For example, if I want you to see what this
15 lung actually looks like in a human, rat, or mouse,
16 and, in fact, I am going to go back and forth between
17 human tissues, rat tissues, mouse tissues because they
18 all look the same at this level.

19 Mouse lungs are a lot smaller than human
20 lungs, but the cells are exactly the same and all
21 designed for the same purposes, and that is to