

1 here, and I want you to think of it as like being
2 suspended over a room and you are looking down into
3 the room and looking at the rug on the surface and it
4 is a room without a ceiling.

5 You see, these are like -- each of these are
6 little rooms without ceilings on them, and so in the
7 next slide we are going to look right down into this
8 space right here now magnified hundreds of thousands
9 of times, and this is a human alveolar space.

10 What I want you to see is that the rug that
11 is covering the floor here, and I am actually pointing
12 out one of the cells here, this is the border of a
13 single large flat cell, and here is another big flat
14 cell that runs around this way and then there are some
15 smaller cells.

16 Now, this is called an epithelium. An
17 epithelium is really just a big word for a cell that
18 covers something, so our skin is an epithelium and we
19 have epithelial cells covering our nose and the inside
20 of our mouth and all the way down our GI tract, and
21 these are cells now that cover the floor.