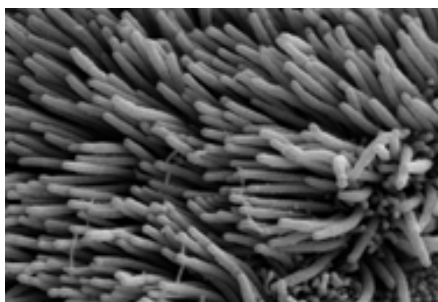


## Quiz – The air in our lungs

The correct answers are on the next page.

1. Our lungs are partly defended by \_\_\_\_\_?
  - a. Nose hairs
  - b. Hairs in our windpipe called cilia
  - c. Snot
  - d. All of the above
  
2. Why do we call some air particles PM10?
  - a. Because they are 10 times more dangerous
  - b. Because there are 10 different kinds
  - c. Because they are smaller than 10 thousandths of a millimetre
  - d. Because it sounds cool
  
3. Which particles are most likely to reach the bottom of the lungs?
  - a. Big ones
  - b. Orange ones
  - c. Fast ones
  - d. Small ones
  
4. What happens to the big particles we breathe in?
  - a. They get stuck to snot
  - b. They get caught in our nose hair
  - c. They get caught by cilia in the windpipe
  - d. All of the above
  
5. What is this a microscope image of?
  - a. A sea anemone
  - b. Spaghetti
  - c. Cilia in the windpipe
  - d. Carpet



6. What are cilia?
  - a. A type of flower
  - b. Small hairs in the windpipe
  - c. The small particles we breathe in
  - d. The base of the lungs

7. What job do cilia in the windpipe do?
  - a. Make friends with the particles
  - b. Dissolve the particles
  - c. Trap particles and stop them entering the lungs
  - d. Tell the particles off
  
8. True or False: The more particles we breathe in, the harder it is for our lungs to get rid of them.
  - a. True
  - b. False

### **Correct answers**

1. d - All of the above
2. c - Because they are smaller than 10 thousandths of a millimetre
3. d - Small ones
4. d - All of the above
5. c - Cilia in the windpipe
6. b - Small hairs in the windpipe
7. c - Trap particles and stop them entering the lungs
8. a - True