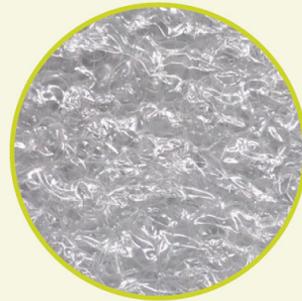


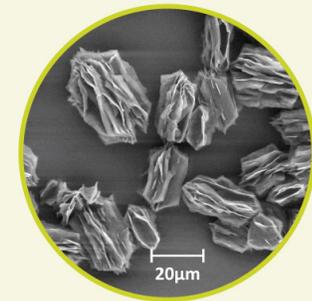
## Comparing Microscopes

### Light Microscope



Polyethylene  
40x

### Scanning Electron Microscope (SEM)



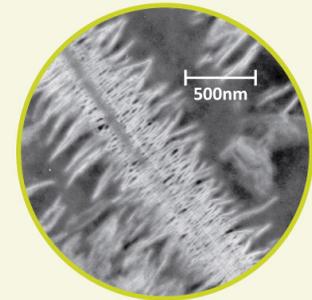
Polyethylene

### Atomic Force Microscope (AFM)



Polyethylene

### Transmission Electron Microscope (TEM)



Polyethylene

Nanoscientists use many different types of microscopes to study and make tiny things. The different tools create very different images of the same material—in this case polyethylene, a common plastic.