Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Go to your Life Science homework page and click on this link to read an article on red ants: <http://www.sciencenewsforkids.org/2011/05/ants-aweigh/>

Then answer the following questions:

1. The exoskeleton of red ants is a hard, protective shell that is hydrophobic (hydro-refers to water and phobic-refers to a fear of something). In one or two sentences, describe how the exoskeleton of red ants protects them from drowning?
2. Look at the picture of the ants under a “powerful microscope”. Use your textbook (pages 19-20) to try to figure out which kind of microscope scientists used to take this picture. Why did you choose this microscope?
3. In the same picture, you can see a measurement tool that says 100um (micrometers). One way to write this is 1x10-6 m (meters). How would you write this number in decimal form?