



SETI INSTITUTE

Mission 2 There's Power in Numbers! (Phase 1)

Journeys to Microworld and Macroworld Earth Journey to Microworld—Worksheet

Name: _____ Date: _____

Fill in the following data table as you journey into the Microworld.

Table 2.3-Microworld Data.

Earth Card	Scale	Observed By	Life or Signs of Life
# 11	10^0 meter		
# 10	10^{-1} meter		
# 9	10^{-2} meter		
# 8	10^{-3} meter		
# 7	10^{-4} meter		
# 6	10^{-5} meter		
# 5	10^{-6} meter		
# 4	10^{-7} meter		
# 3	10^{-8} meter		
# 2	10^{-9} meter		
# 1	10^{-10} meter		

After you have completed your journey into the Microworld, please answer the following questions:

1. If we define “Microworld” as the world that we cannot see without a microscope, at what scale do we enter the Microworld?
2. When you saw the image of the child, could you see that there were bacteria living in a cut on the child's hand? Why or why not?



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# 3	10^8 meter		
# 2	10^9 meter		
# 1	10^{10} meter		

After you have completed your journey into the Macroworld, please answer the following questions:

1. If we define “Macroworld” as the world that we cannot see until we back away a certain distance from it, at what scale do we enter the Macroworld?
2. When you first saw the image of the child, did you know that the child was playing in California? Why or why not?