

NNIN Nanotechnology Education

Center Student Worksheet

What's the Smallest Thing You Know?

Materials

Station 1- Crayons, markers Station 2- Size Sorting Cards Station 3-3.5 meter long string Station 4-Inch/centimeter/ nanometer ruler Station 5-Inch/centimeter/ nanometer ruler Station 6-crayons, markers

Introduction to lesson

Measuring an object or assigning a numerical value to the length or height of an object allows you to compare one object's size to another object's size. Starting with station 1 you will use the material in each pocket to complete the instructions included with the station. Include answer on your worksheet when instructed to do so.

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Station1:

Smallest Object	Largest Object	
Name of object	Name of object	

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Station 2:	at Ohio at
Largest Object to Smalle	si Object
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Question 3: Which obje	et is smaller than bacteria?
Which object	et(s) is/are larger than the pygmy shrew
Station 3: What is something that v	would be the same size as an elephant?
Would you be able to ge not?	an elephant in your classroom? Why or why
What was the smallest o	oject in your cards?
Can you find this object where?	in your classroom? If so
Station 4:	
Draw a line 3 inches lon	g below:
	classroom that would be the same size as the line you just
Length of the line you do	ew in centimeters and nanometers
Station 5:	
Object 1 name	Length
Object 2 name	Length
Object 3 name	Length
Object 4 name	Length
Why did you measure th centimeters, or nanometer	ese objects using the measurement that you did (inches, ers)?

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Development and distribution partially funded by the National Science Foundation

NNIN Document: NNIN-1311

Rev: 10/2012

Station 6:

Smallest Object	Largest Object
Name of object	Name of object

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NNIN Document: NNIN-1311 Rev: 10/2012