

Name		Date	Class
		Big is a Nanometer ent Worksheet- Day	
	ose A hands-on activity to ascer leasure various objects of their	, , ,	
2. 3. 4.	ion(s) What is a nanometer? What instruments are useful for the what is nanotechnology? How large or small is a nanon What types of objects should	meter?	nanoscale?
Direct	tions: Complete questions 1 and	d 2 in pairs. <b>Answer questi</b> o	ons 3-6 individually.
1. Use	the ruler and line below to ans	swer the questions.	
TIF	QuickTime™ and a FF (Uncompressed) decompressor are needed to see this picture.		
b) Wh	at is the length of the line in cer at is the length of the line in mi at is the length of the line to the	illimeters? mm	_nm

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2. Choose five objects in the classroom to measure.

Measure these objects in centimeters.

Convert your centimeter measurements to millimeter, micrometer and nanometer measurements.

<b>Object Name</b>	Measurement in Centimeters	Measurements in Millimeters	Measurements in Micrometers	Measurement in Nanometers

Answer the following	questions of	ı your own.
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3. '	What	did you	learn w	hile d	loing t	his ac	tivity?
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4.	What type	of objects	do you	think a	nanometer is	used to	measure?	Why?
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5	Would vou use a	nanometer to	measure the	size of v	your car? Wh	v or why	not?
ℐ.	would you use t	i mamonnetti to	measure me	SIZE OI	your car. win	y Or wiry	not:

<sup>6.</sup> Would you use a nanometer to measure the size of a red blood cell? Why or why not?