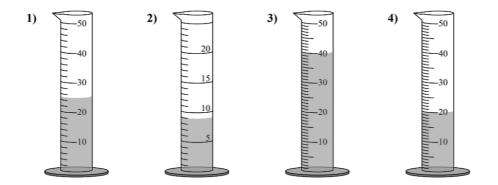
ICP: Measurement Notes

	Metric System A decimal system of units for	measurements of	
	·	(SI) units - mode	ern form of the metric system;
bas	ed on number		en neme system,
SIL	Inits:		
	Quantity (Dimension)	Name of Unit	Abbreviation
	Length		
	Mass		
	Volume		
	Temperature		
	Time		
	Power		
Bas Inst	gth: ic SI unit of length: rument used to measure SI I w a horizontal line that is 12	length:	
	ss: ic SI unit of mass = rument used to measure ma		
11151	rument used to measure ma	155 –	
Pec	ple often confuse weight an	d mass. What is the difference between we	eight and mass?
	ume: ic SI unit of volume =		
Uni	t of volume typically used in	lab =	

What is a meniscus?

How much water is in each graduated cylinder? Write the volume beside the graduated cylinder. Do NOT forget your units!



To find the volume of an irregularly-shaped object, use the	method
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- 1).
- 2).
- 3).

Bizarre Measurements: Watch the video clip provided while completing the chart below.

Quantity	Dimension Definition/Facts	
Smoot	Length	Oliver Reed Smoot's height; 620 meters
	danger	
		1 BED of ionizing radiation comes to about a of a

Metric System (SI) Prefixes

Prefixes	Value	Standard form	Symbol
	1 000 000	10 ⁸	М
	1 000	10 ³	k
	0.1	10 ⁻¹	d
	0.01	10 ⁻²	С
	0.001	10 ⁻³	m
	0.000 001	10 ⁻⁸	μ