Faculty Submitting: Allison Kelly

Specify here whether "Pre" or "End" of Unit and the Unit #: Pre Unit 1

LOs: Recogn	ze Uncertainty in measurements, use significant figures in dimensional analysis problem so	lving,	,
and understa	nd the difference between accuracy and precision		
Units and Di	nensional Analysis		
Unit 1_ Question 1	Canvas Question Type: Multiple Answer		-
	Every measurement provides what kinds of information?		_
	Correct Answers:		-
	magnitude		
	standard of comparison		
	indication of uncertainty		
	Wrong Answers:		
	direction		
	time		
Read More	https://openstax.org/books/chemistry-2e/pages/1-4-measurements		-
Unit 1_	Canvas Question Type: Matching		-
Question 2			
	Match the property to the base unit		_
	Length - meter (m)		
	mass – kilogram (kg)		
	time – second (s)		
	temperature – kelvin (K)		
	electric current – ampere (A)		
	amount of substance – mole (mol)		
	luminous intensity – candela (cd)		Commented [KMA1]: Note to future Allison, add
		l	distractors
Read More	https://openstax.org/books/chemistry-2e/pages/1-4-measurements		
Unit 1_	Canvas Question Type: Multiple Choice		Commented [KMA2]: This would be a good one to build
Question 3			
	A measurement is reported as 270.5 m. Which statement is true about this measuremen	t?	

	Correct Answer: The digits 2, 7 and 0 are certain, but the 5 is an estimate	
	Wrong Answers:	
	All of the digits are certain	
	The 2 and the 7 are certain, but the 0 and the 5 are estimated	
	The length is 270.50 m	
Paul Mora	https://opanetax.org/books/opamistry_20/pages/1_5_massurement_upgertainty_accuracy_and	-
Read More	precision	
Unit 1_	Canvas Question Type: Matching	
Question 4		
	Match the rule for rounding to the correct number of significant figures with the operation where	-
	it should be used	
	Addition and Subtraction – Round to the same number of decimal places as the number with the	
	least number of decimal places	
	Multiplication or Division - Round to the same number of digits as the number with the least	
	number of significant figures	
Read More	https://openstax.org/books/chemistry-2e/pages/1-5-measurement-uncertainty-accuracy-and-	-
	precision	
TT 4 4		
Unit 1_ Question 5	Canvas Question Type: Multiple Drop Down	Commented [KMA3]: Relatively easy to build out into a guestion group
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Unit 1_ Question 5	Canvas Question Type: Multiple Drop Down For each of the following numbers, indicate the correct method for rounding to three digits 4.352 [DropOne] 6.785 [DropTwo]	Commented [KMA3]: Relatively easy to build out into a question group
Unit 1_ Question 5	Canvas Question Type: Multiple Drop Down For each of the following numbers, indicate the correct method for rounding to three digits 4.352 [DropOne] 6.785 [DropTwo] 3.776 [DropThree]	Commented [KMA3]: Relatively easy to build out into a question group
Unit 1_ Question 5	Canvas Question Type: Multiple Drop Down For each of the following numbers, indicate the correct method for rounding to three digits 4.352 [DropOne] 6.785 [DropTwo] 3.776 [DropThree] 7.255 [DropTare]	Commented [KMA3]: Relatively easy to build out into a question group
Unit 1_ Question 5	Canvas Question Type: Multiple Drop Down For each of the following numbers, indicate the correct method for rounding to three digits 4.352 [DropOne] 6.785 [DropTwo] 3.776 [DropThree] 7.355 [DropFour]	Commented [KMA3]: Relatively easy to build out into a question group
Unit 1_ Question 5	Canvas Question Type: Multiple Drop Down For each of the following numbers, indicate the correct method for rounding to three digits 4.352 [DropOne] 6.785 [DropTwo] 3.776 [DropThree] 7.355 [DropFour]	Commented [KMA3]: Relatively easy to build out into a question group
Unit 1_ Question 5	Canvas Question Type: Multiple Drop Down For each of the following numbers, indicate the correct method for rounding to three digits 4.352 [DropOne] 6.785 [DropTwo] 3.776 [DropThree] 7.355 [DropFour] DropOne	Commented [KMA3]: Relatively easy to build out into a question group
Unit 1_ Question 5	Canvas Question Type: Multiple Drop Down For each of the following numbers, indicate the correct method for rounding to three digits 4.352 [DropOne] 6.785 [DropTwo] 3.776 [DropThree] 7.355 [DropFour] DropOne Correct: Round Down	Commented [KMA3]: Relatively easy to build out into a question group
Unit 1_ Question 5	Canvas Question Type: Multiple Drop Down	Commented [KMA3]: Relatively easy to build out into a question group
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Unit 1_ Question 5	Canvas Question Type: Multiple Drop Down Image: Canvas Question Type: Multiple Drop Down For each of the following numbers, indicate the correct method for rounding to three digits 4.352 [DropOne] 6.785 [DropTwo] 3.776 [DropThree] 7.355 [DropFour] DropOne Correct: Round Down Wrong: Round Up DropTwo correct: Round Down	Commented [KMA3]: Relatively easy to build out into a question group
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	DronThree	
	Correct: Round Up	
	wrong: Round Down	
	DropFour	
	Correct: Round Up	
	Wrong: Round Down	
Read More	https://openstax.org/books/chemistry-2e/pages/1-5-measurement-uncertainty-accuracy-and-	
	precision	
Unit 1_	Canvas Question Type: Multiple Choice	
Question 6		
	The density of a piece of metal is 0.891 σ/cm^3 Which of the following sets of measurements	s
	both accurate and precise?	Commented [KMA4]: Relatively easy to build out into a
		question group
	Correct Answer: 0.891 g/cm ³ , 0.890 g/cm ³ 0.892 g/cm ³	
	Wrong Angwarg	
	wiolig Allsweis.	
	0.891 g/cm ³ , 0.899 g/cm ³ 0.880 g/cm ³	
	0.881 gem , 0.882 gem , 0.880 gem	
Read More	https://openstax.org/books/chemistry-2e/pages/1-5-measurement-uncertainty-accuracy-and-	
	precision#fs-idm1827280	
Unit 1	Canvas Ouestion Type: Fill in Multiple Blanks	-
Ouestion 7		
	[Precise] values agree with each other, [accurate] values agree with a true value	
Read More	https://openstax.org/books/chemistry-2e/pages/1-5-measurement-uncertainty-accuracy-and-	
	precision#fs-idm1827280	
Unit 1	Canvas Question Type: Multiple Answer	-
Question 8	contras guestion 1) per stampte time ter	
-		
	Select all values that are conversion factors	Commented [KMA5]: Could be built out into a question
	Correct Answers:	
	0.878 g/mL	
	2.54 cm/1 inch	
	Wrong Answers:	
	6.12 lbs	
	8.9 m ²	
	0.7 m	

Read More	https://openstax.org/books/chemistry-2e/pages/1-6-mathematical-treatment-of-measurement-of-measu	
	results	