Session 1: Measurements

Preparations

Whiteboard marker	Bag	
Chemistry binder	Headphones	

1

Significant Figures as Implicit Uncertainty

These numbers, when expressed using uncertainty, would be:

314							
	0. 3140		,				
3140	3.140 x 10	_		-	-		

Rules for counting significant figures:

	 description	examples
1-9		
zero		

2

Precise volume measuring tools

Name	Sketch	Notes

Homework

\Box	Add chemical e	qui	pm	nen	tΑ	nki	de	ck
	Do Anki decks							

Take notes in equipment drawing as needed

Q	1-4 of <i>N</i>	Иea	su	ren	nen	ts	ora	ctic	e s	tacl	K
\uparrow	Do										
	Mark	& a	ann	ota	ate	wit	h c	olo	r p	ens	

Session 2: Mass

Preparations

Additional 2-3 sheets A4

You may wish to do additional calculations.

Sm	artr	hc	ne	/ ca	lcu	lato	ľ

There are calculations that you cannot do in head

Data Booklet

Find out where to find atomic masses

1 Moles as a Unit for Counting

To count the large numbers of atoms / molecules, we use a unit called

defined to be

The value value

is also known as the

and has the symbol

2 . . .

or

unit

Conversions for helium atoms:

This value is defined by

atom

| =

.

atoms

ATOMS

OL =

oms

ıs

mol

mol

lsotopes are			
Example with hydrogen (Z=1):		
		· · · · · · · · · · ·	
	also known as		also known as
Example with chlorine:		Rati	o found in nature, i.e.,

Species	Amount	Mass
		This is the found in Data Booklet Table

Keep doing your Anki decks! Read Section 1.2 (p14-21) Exercises in Section 1.2 (Q13-23) Upload both Session 1 & 2 homework for Monday 21:00