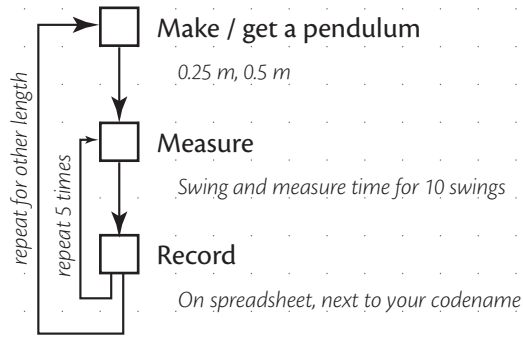


Session 1: Colors

Preparations

- Printed these notes
- Smartphone
To look up information
- Computer
To follow instructions
- Post-it notes
Act as "thought catchers" for questions that come up.



The girl's name is

She went to school in this city:

Languages she speak

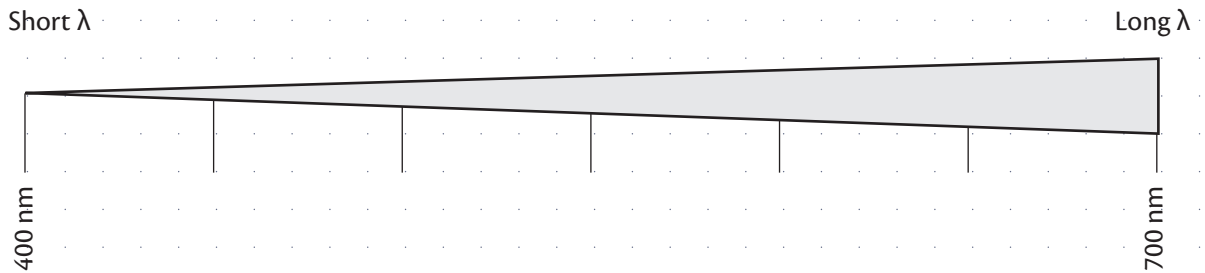
She is Moroccan

Her personality is

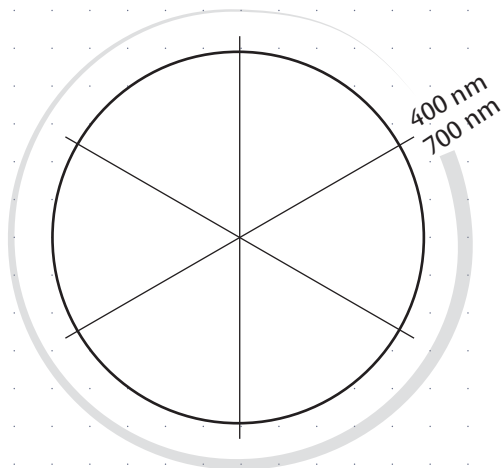
Her Effort Grades are

1 Nature of Colors

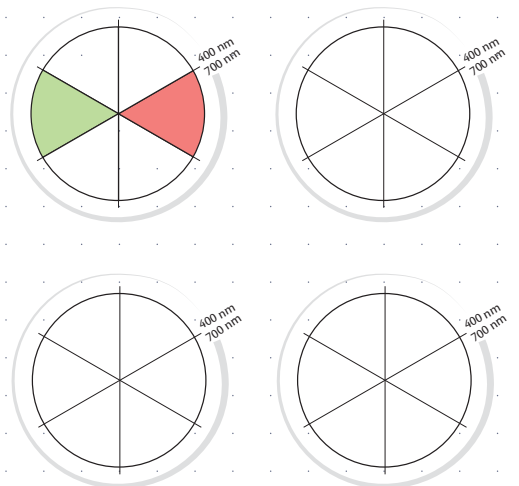
Light of 680 nm is



Color Wheel



Ways of blending white light:



2

Length Conversions

Use the space in between to show working:

100 Å = nm = nm

= nm = nm

= nm = nm

= nm = nm

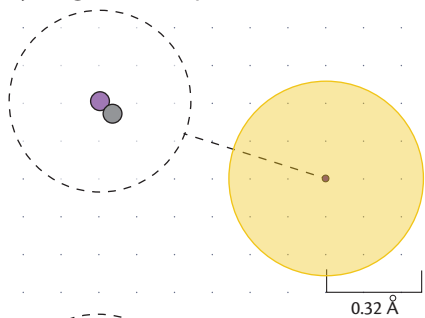
Atomic radii is found in Table

A carbon (C) atom's radii is nm

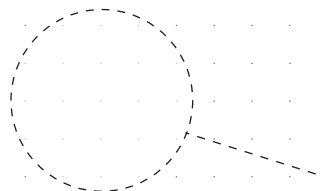
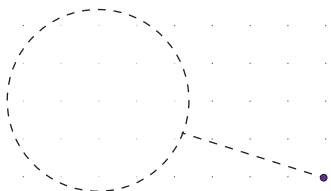
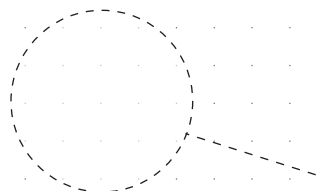
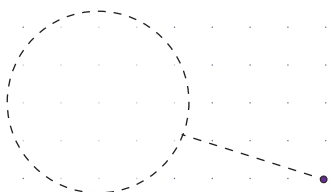
3

Drawing Atoms

hydrogen with 1 proton and 1 neutron



0.50 Å

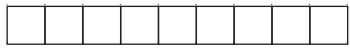


Homework

Download / sync textbook Chapter 2 from Google Drive



Read pages 58-66



58 59

66

Reflections

Session 2: Time

Preparations

Smartphone

Consider installing the Anki app on mobile & sync

Additional 2-3 sheets A4

You may wish to do additional calculations.

Computer

Desktop version of Anki provides most function

Post-it notes

Act as "thought catchers" for questions that come up.

1

Anki: Setup & First Deck

Download Anki desktop app

<https://apps.ankiweb.net/>

Install Anki Desktop app

Download Atomic Structure deck

Add deck to Anki

drag to Anki, or double-click to open

Study to today's allotment

Use the keyboard shortcuts 1, 2, 3, 4

Optional: Install phone app + Sync

Free on Android, not free on iOS.

Need to also create an Anki Web account.

2

Google Sheets: Histograms

Make a Copy of the class pendulum data.

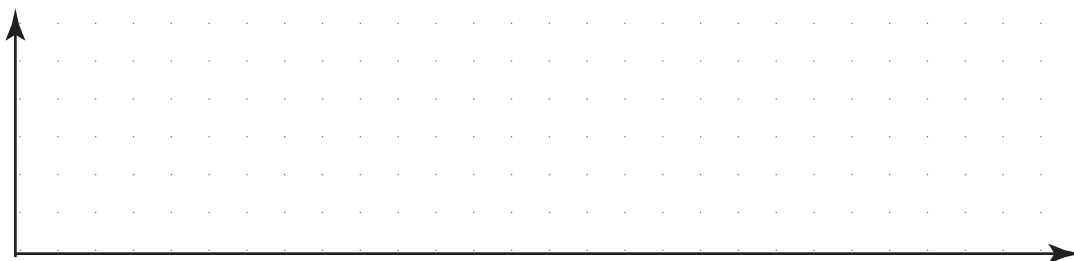
Organize it in the appropriate folder!

Calculate the time for one swing in Col D

Plot a histogram

Sketch a final one below. Label: labels, axis, tick-marks.

Show the averages for each string length.



3

Uncertainty: Absolute and Relative

Use the space in between to show working.

$$\boxed{} \pm \boxed{} = \boxed{} \pm \boxed{} \%$$

$$\boxed{} \pm \boxed{} = \boxed{} \pm \boxed{} \%$$

$$\boxed{} \pm \boxed{} = \boxed{} \pm \boxed{} \%$$

Try going backwards.

$$\boxed{} \pm \boxed{} \% = \boxed{} \pm \boxed{}$$

$$\boxed{} \pm \boxed{} \% = \boxed{} \pm \boxed{}$$

$$\boxed{} \pm \boxed{} \% = \boxed{} \pm \boxed{}$$

Homework

- Setup timetable / events in planner / calendar for doing Anki decks

At the beginning this takes only < 5 min. When you have more cards this will swell to 15-20 minutes.

Making it regular makes it manageable: when you have several thousand cards, once you lapse a couple of days, it will take hours to catch up.

Session 3: Boxes

Preparations

Colored pens

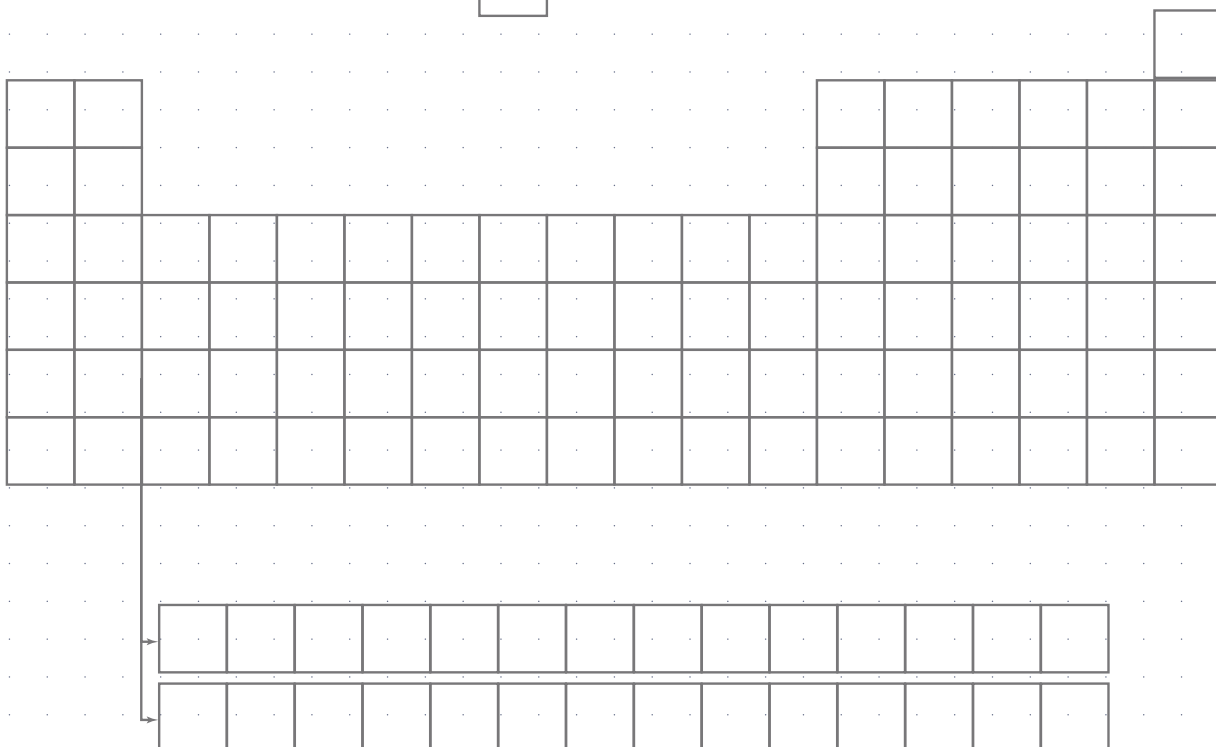
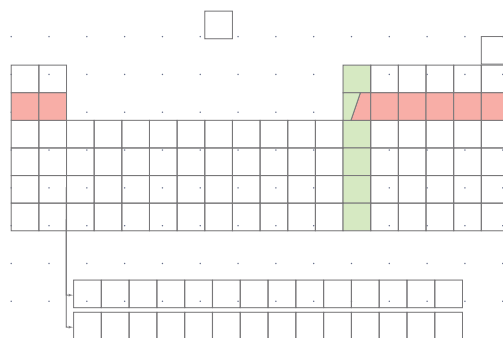
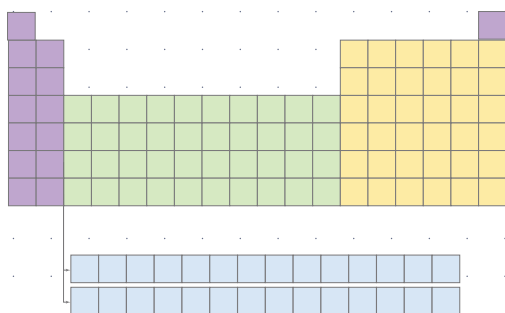
Use these to make your annotations easier to read.

Computer

You will be adding an Anki deck that is "graphics based".

1

The Periodic Table



Install the Anki deck

Homework

Hand in on ManageBac

Before Sunday

Textbook exercise questions

1-6, pp 58-66

Uncertainty conversion

Screenshots of Anki stats (on Saturday)

Reflections

The hidden theme of this week was Memory. What did you learn about memory?

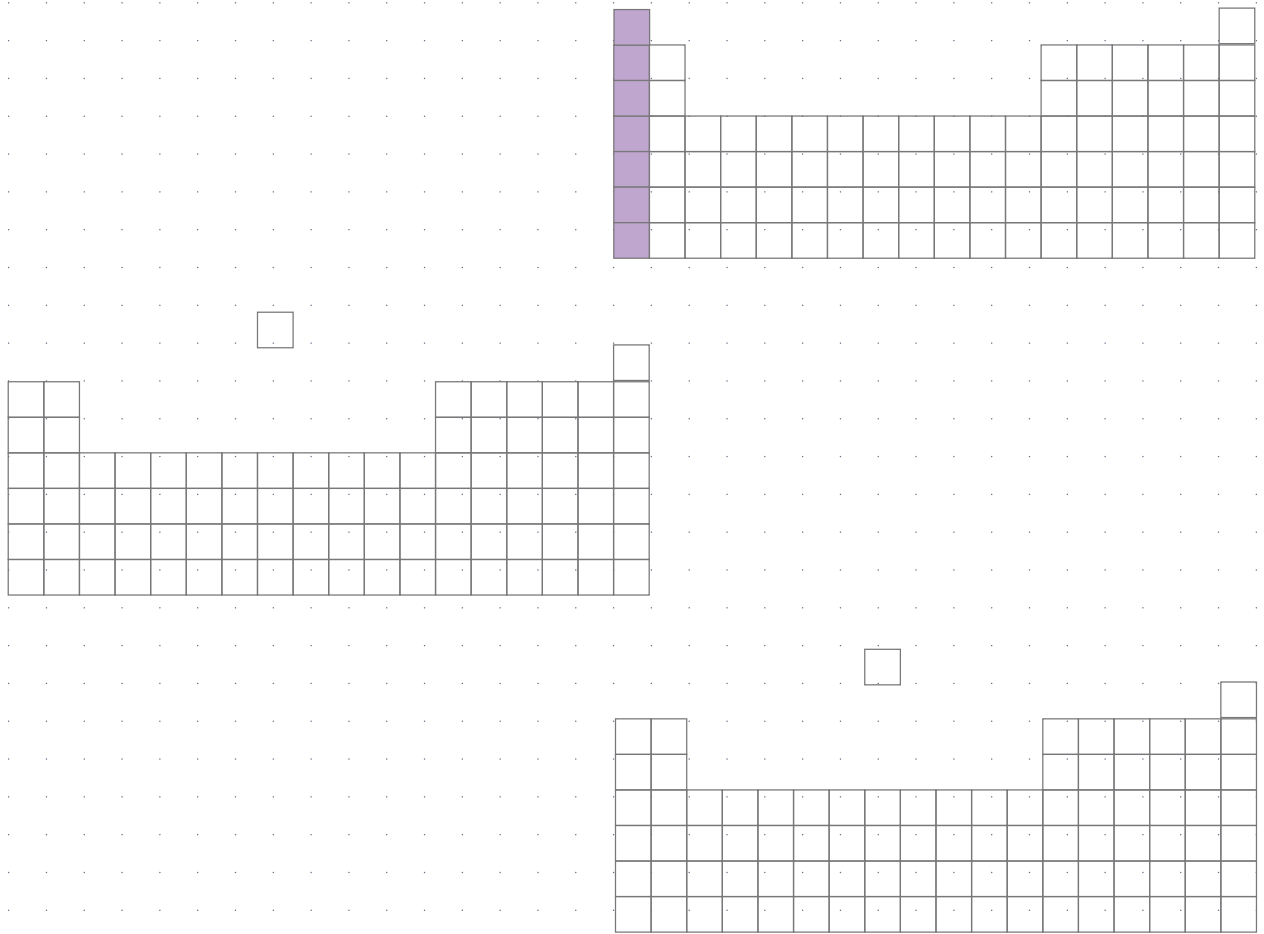
Knowing the techniques around acquisition and retention, how could you use this for other subjects?

What would change in your life given that you could memorize anything of your choice?

2

Mnemonics for First 20 Elements

Add drawings to make the mental image more vivid.



3

Symbols for Atoms / Atomic Ions

Use appropriate colors.

