
Quantum Mechanics

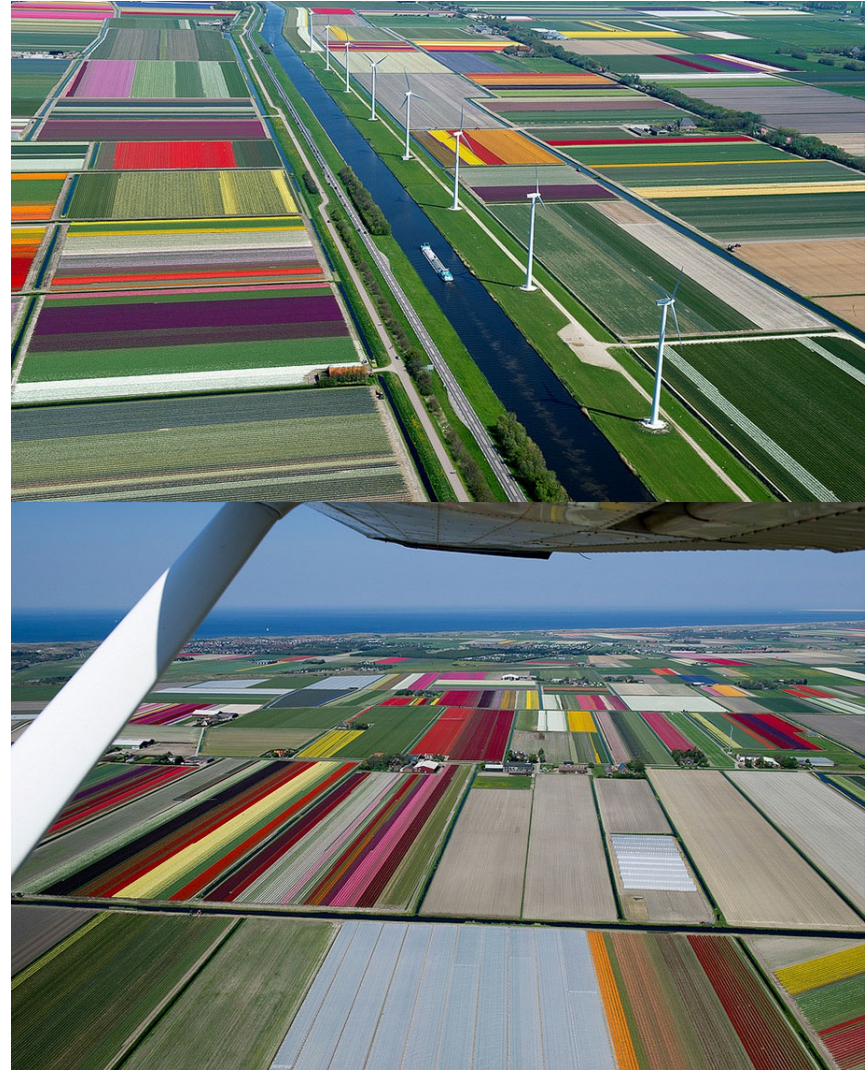
Physics 237

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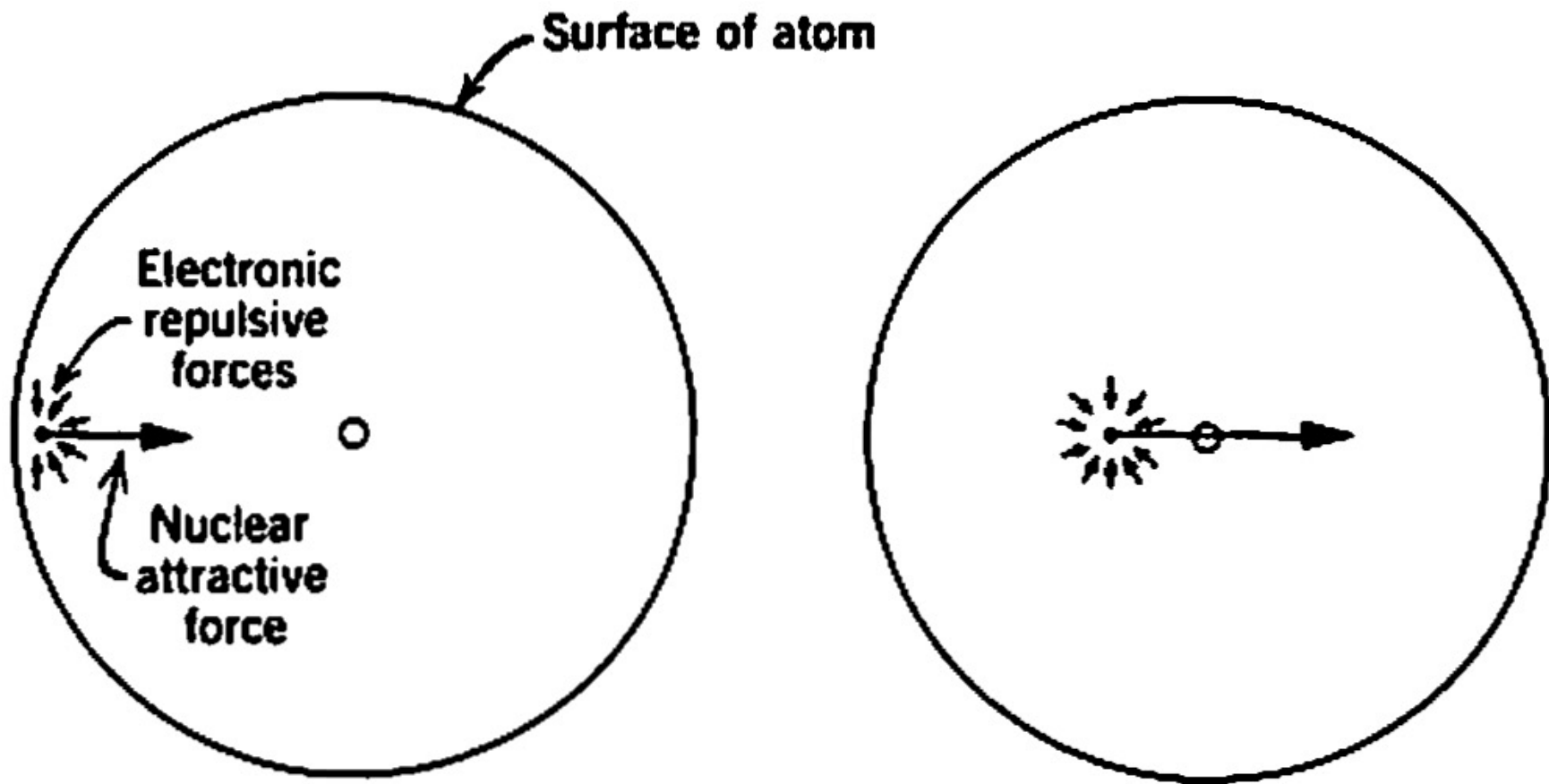
Announcements

- **Reminder: midterm exam # 2 on Tuesday March 22, 2022.**
- **Resources to help you prepare for the exam:**
 - Review: Friday March 18, 3.40 pm – 5.40 pm, B&L 106
 - Office hours: Saturday 4 pm – 6 pm, POA (Porcelli) and Monday 11 am – 1 pm, B&L 203A (Wolfs)
 - QA session: Monday 4.50 pm – 6.15 pm, Hylan 305
- **There will be no office hours and workshops on March 23 and March 24, 2022.**

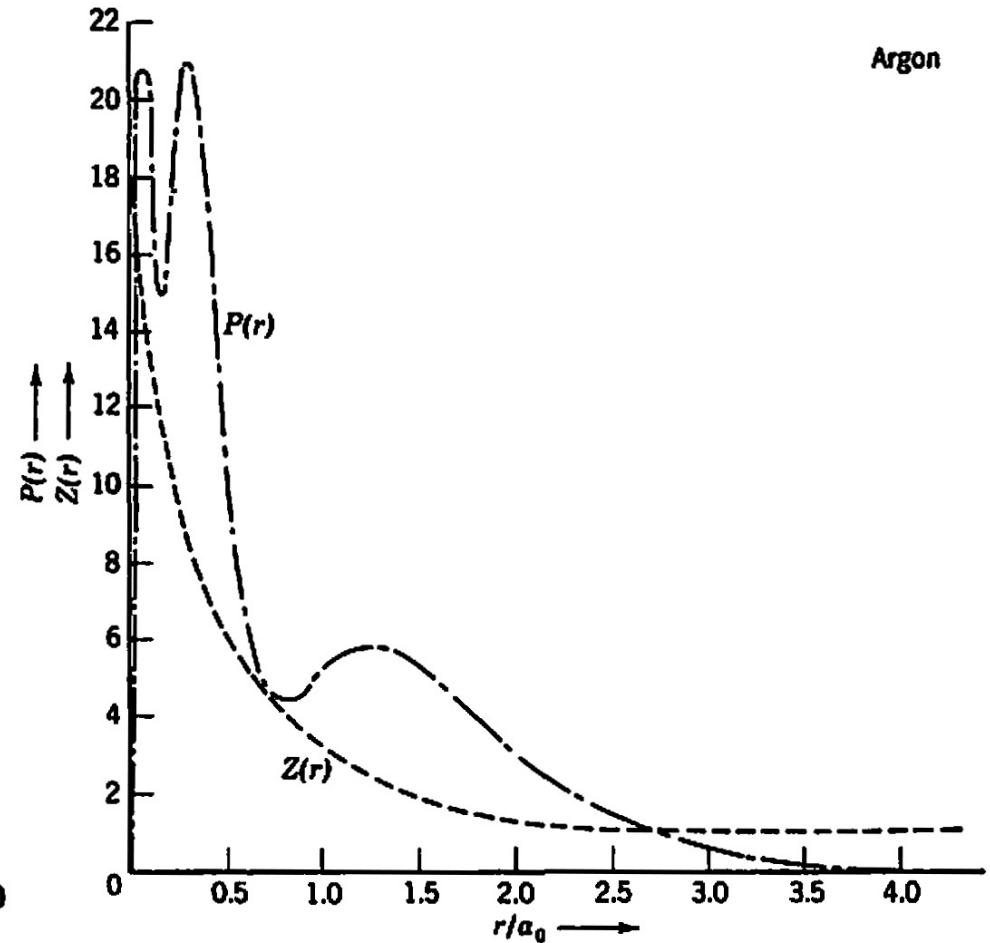
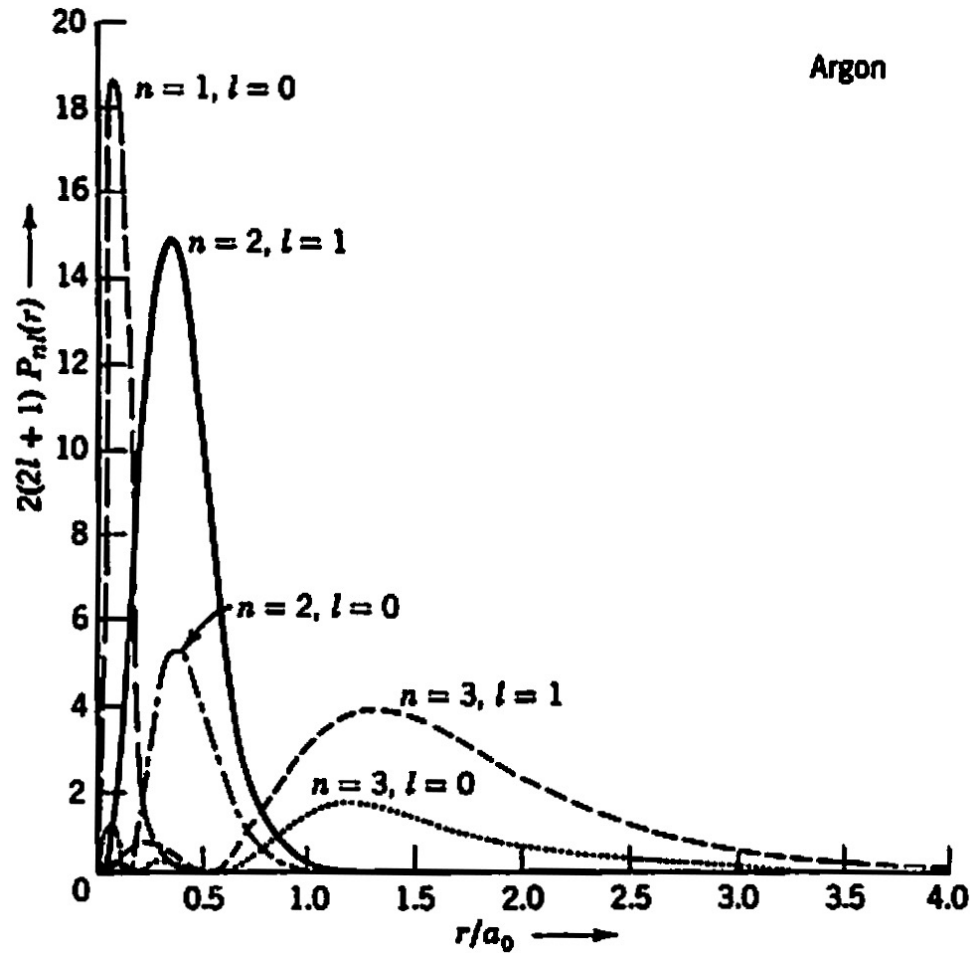
Tulips in the Netherlands.



Forces on the electrons.



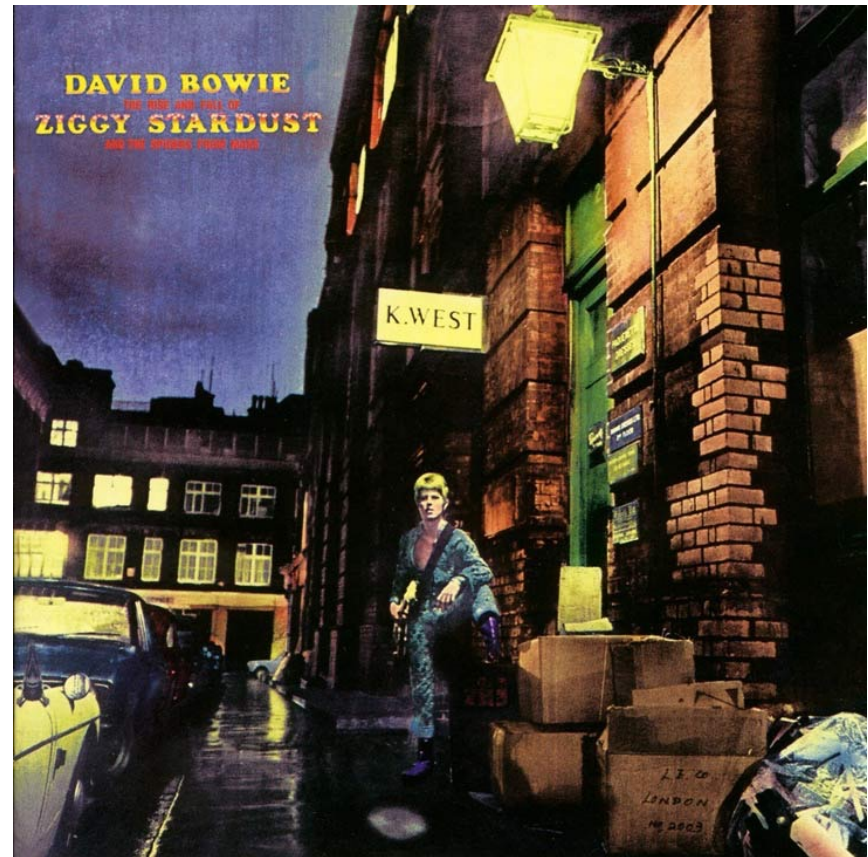
Results of Hartree Calculations.



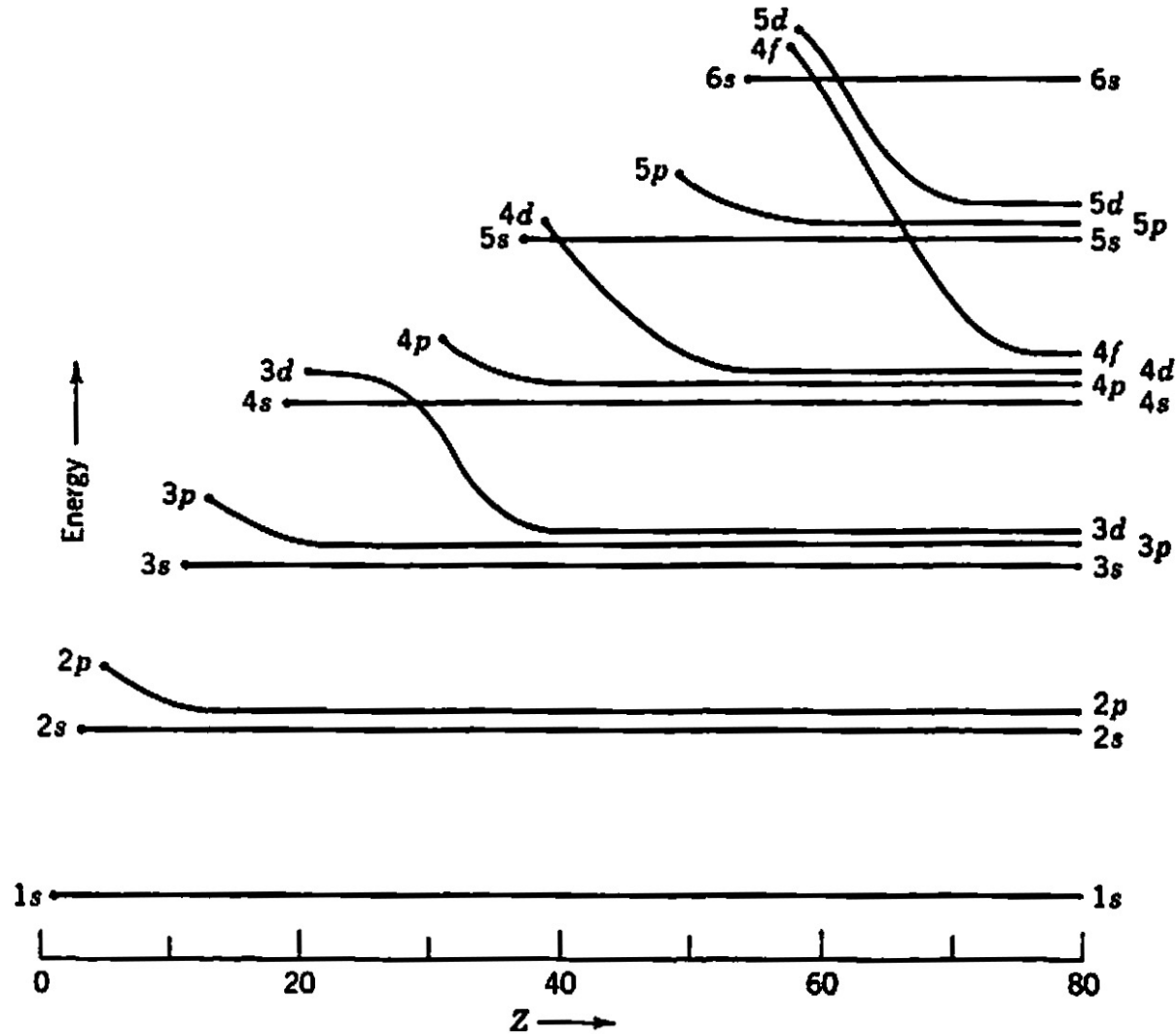


3 Minute 24 Second Intermission.

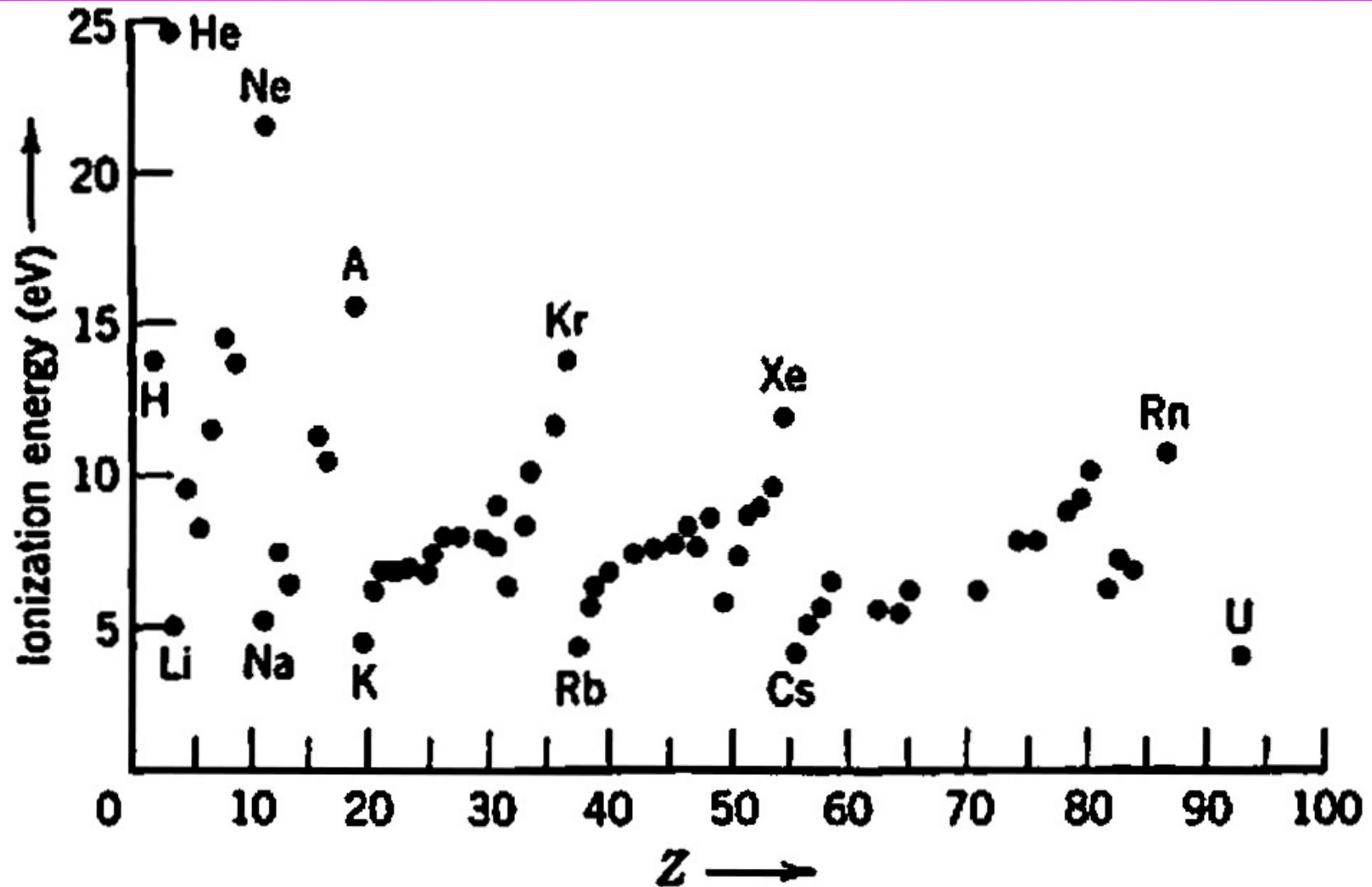
- Since paying attention for 1 hour and 15 minutes is hard when the topic is physics, let's take a 3 minute 24 second intermission.
- You can:
 - Stretch out.
 - Talk to your neighbors.
 - Ask me a quick question.
 - Enjoy the fantastic music.



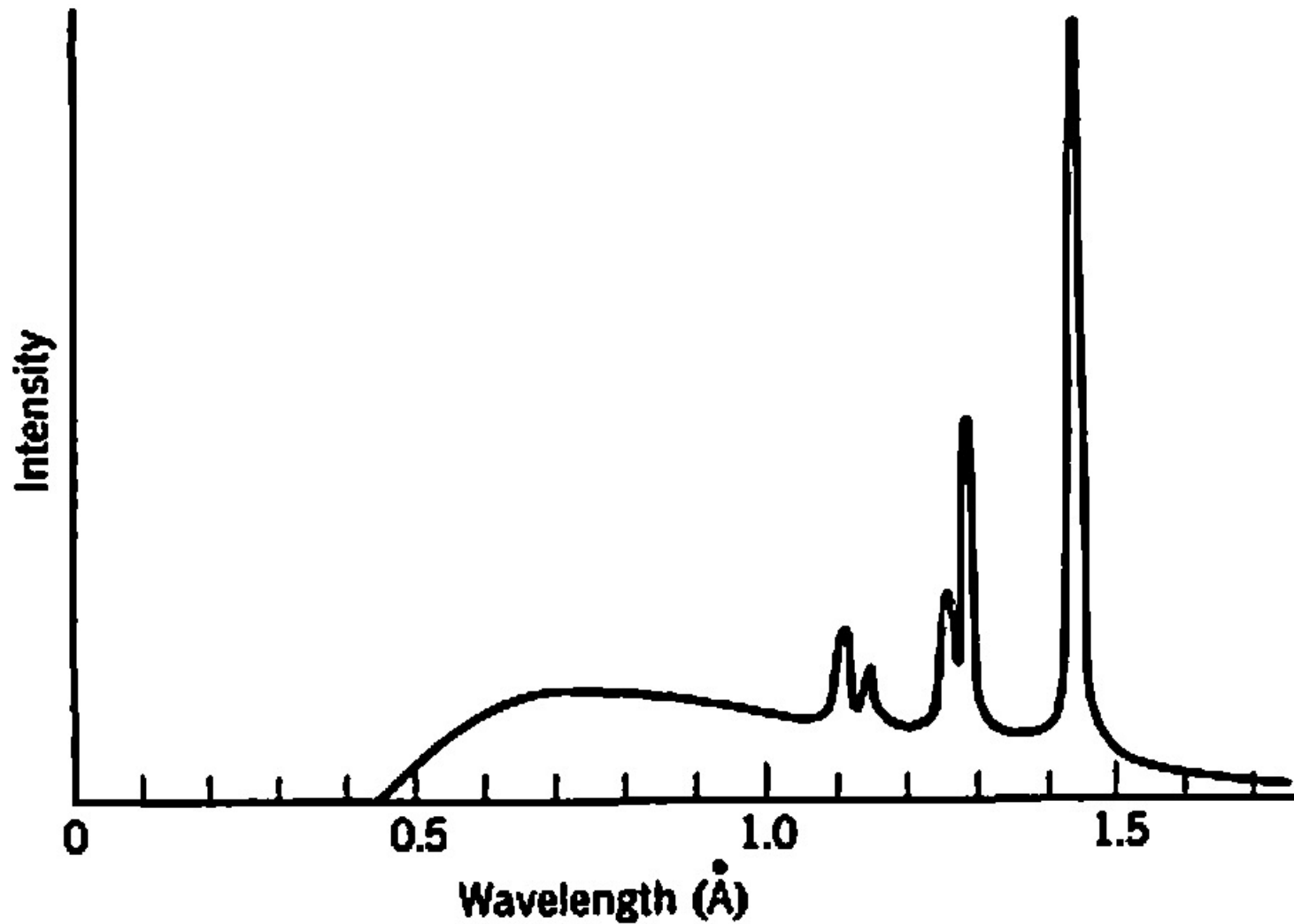
Energy ordering.



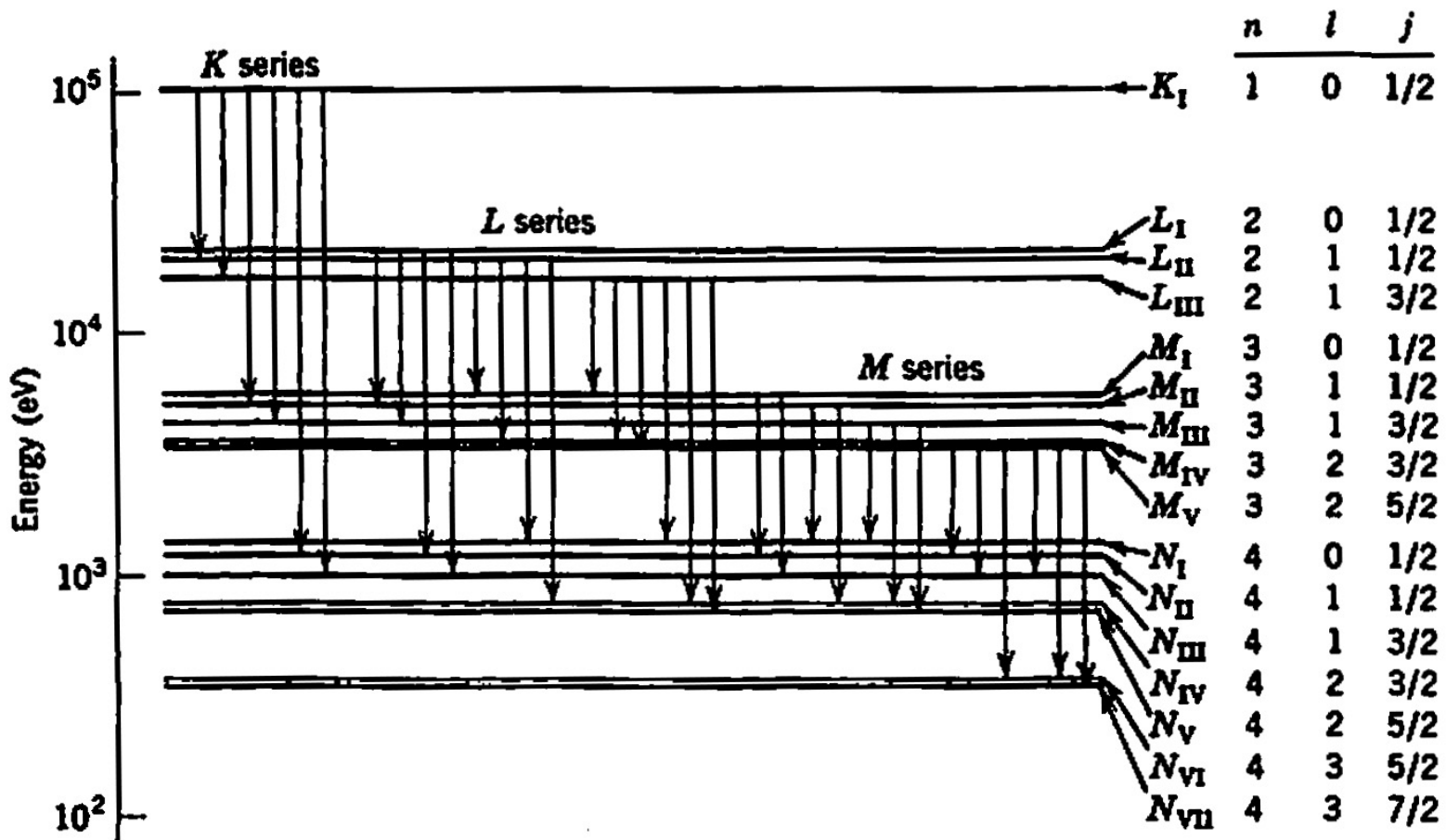
Ionization energy.



X-rays - provide detailed level information.

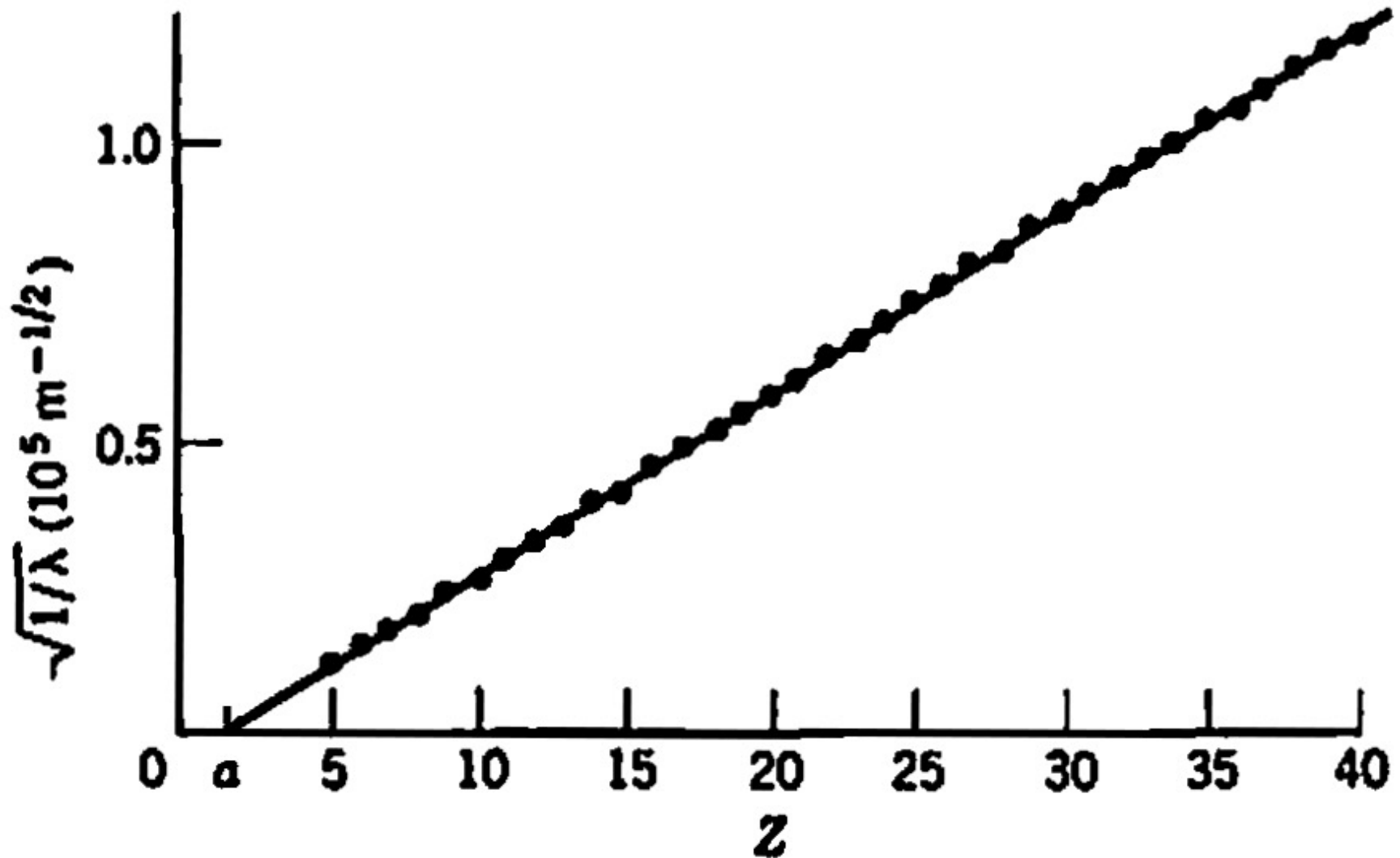


Energy levels of the hole and the selection rules.



Wavelength dependence.

Note: no sharp jumps!



ENOUGH FOR TODAY?