



Name: _____

Fundamentals of Chemistry & Physics: **Week 8 HOMEWORK CHECKLIST**

ALL GRADES

Due on October 24th

Checklist must be signed by a parent to confirm that the homework was completed throughout the week to receive homework credit. Ten points will be taken off if the homework is checked off but is missing a signature.

_____ **(10 points) Reading Lesson 8: The History and Anatomy of an Atom**

The reading lesson was handed out in class and should be in the front of your binder. **The material in this lesson may be a little difficult to understand, so I highly recommend that all grade levels listen to the audio version as they follow along with the lesson and highlight main points.**

_____ **(10 points) Recall & Connect Questions (To be turned in for grading)**

After reading lesson 8, take out page 47-48 of your reading lesson and answer the questions based on what you've read. It is acceptable for third graders (or others who need the help) to dictate their answers to a parent and have the parent write it down for them. Please keep it in their own words and have them try to write a key word or two to work towards independence. You will turn this in on October 24th, along with this completed homework checklist.

_____ **(10 points) Scientist in the Spotlight: Your Choice! (Separate grading—lab notebook check)**

This week's lesson gave you a brief history of the scientists (& philosophers) that contributed to our current understanding of atoms (modern atomic theory). Choose ONE person from the following list that contributed to modern atomic theory and create a lab notebook page with facts on what you learned about them: *Democritus, John Dalton, J.J. Thomson, Ernest Rutherford, Neils Bohr, Ernest Schrödinger, or James Chadwick*. Do a little research to find out more about their life and contributions to atomic theory. Record what you have learned on page 38 of your lab notebook. A title piece was provided for you. Write the name of the person you chose in the blank. 3rd & 4th graders need to include a picture of the person, where he lived, what time period he lived in, and one additional interesting fact not mentioned in the lesson. Same requirements for 5th & 6th graders, BUT they need to have at least two additional facts. A list of resources is provided on the class webpage to help in your research. Choose one or two of these resources to get your information. **We will be sharing this page in class next week so be prepared to tell the most interesting thing you learned.** Adding additional sketches or printouts to the page is encouraged to make it fun and interesting.

_____ **(15 points) For Reinforcement and Review—The Atom**

After you have read lesson 8, watch the following videos to reinforce and review what you have learned:

Atoms for Kids (LearnBright): https://www.youtube.com/watch?v=AVVDP_XJHKA&t=1s

The Atom Song (SillySchoolSongs): https://www.youtube.com/watch?v=oFLH_0B4ZLg

Just How Small is an Atom (TEDEd): <https://www.youtube.com/watch?v=yQP4UJhNn0I>

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_____ **(5 points) Weekly Housekeeping!**

_____ Please continue to file your graded papers when you get home behind their proper tab, keeping your current homework checklist in the front of your binder, along with any other completed homework that will be turned in for grading.

_____ Check your supplies: make sure you have your lab notebook, your pencils are sharpened, your glue sticks are full, and your colored pens are packed.

_____ Parents please continue to read the weekly summary and parent notes each week on the website. AND sign the checklist letting me know the work was completed at home.

Parent Signature: _____

Homework Completion Grade _____/50 points