



Name: \_\_\_\_\_

Fundamentals of Chemistry & Physics: **Week 25 HOMEWORK CHECKLIST**

ALL GRADES

*Due on April 9th*

**\*\*\*\*\*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 20: Let There Be Light...Energy!**

The reading lesson was handed out in class and should be in the front of your binder. Read the lesson or listen to the audio version posted on the class webpage as you read along and take notes. The lessons are designed to encourage note taking skills as you read. It is not required for 3rd & 4th grades, but it is encouraged to begin practicing note taking skills by neatly highlighting or underlining the main points in the lesson as you are reading. This is a study skill that will help you connect with what you are reading, become an independent learner, and help you to retain the information. 5th & 6th graders should make this a weekly habit. **I HIGHLY RECOMMEND THAT THE READING LESSONS BE SPLIT INTO TWO SESSIONS IF POSSIBLE SO THE INFORMATION IS BETTER RETAINED.**

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

After reading lesson 20, take out page 119-120 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 April 9th along with this completed homework checklist. **Special instructions: 3rd graders are to answer at least 6 out of the 20 questions, 4th graders are to answer at least 10 out of the 20 questions, 5th graders are to answer at least 15 of the 20 questions, and 6th graders are to answer all 20 questions.**

\_\_\_\_\_ **(20 points) For Reinforcement and Review—Light Energy**

Read lesson 20, then watch the following videos to reinforce and review what you have learned.

**Exploring Light Energy (Miacademy):** <https://www.youtube.com/watch?v=7tsWsovuq1U>

**Non-Visible Light (Miacademy):** <https://www.youtube.com/watch?v=Y7tK4IG76cU>

**Visible Light (Miacademy):** <https://www.youtube.com/watch?v=Pzmp25usNlc>

**Electromagnetic Spectrum (Miacademy):** <https://www.youtube.com/watch?v=dPp8ugirih8>

\_\_\_\_\_ **(5 points) Finish Lab Notebook page 102—Light Energy**

If you were unable to get the lecture notes filled in on light energy on page 102 of your lab notebook during our class time, please check the picture with the answers posted on the class webpage and finish getting them filled in. These information pages will be used for study for our last test.

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\_\_\_\_\_ (20 points) **Scientists in the Spotlight—Tesla, Edison, and Newton! PART 2 (FOR A GRADE)**

\_\_\_\_\_ **Tesla:** Use the clipart given to you in class and the Tesla facts that you gathered in last week's homework to finish the Scientist in the Spotlight on Tesla on pages 100-101 of your lab notebook.

\_\_\_\_\_ **Edison:** Watch the following videos on Thomas Edison to learn more about his life and work as an inventor and scientist. Use the clipart given to you in class to create a scientist in the spotlight page on pages 106-107 of your lab notebook. **Be sure to include why he had the nickname of "Wizard of Menlo Park."** 3rd graders are to have one fact about Edison's life and one about his work/inventions, 4th graders are to have one fact about his life and two about his work/inventions, 5th graders are to have two facts about his life and two about his work/inventions, & 6th graders are to have two facts about his life and three about his work/inventions. (These are the same requirements for Tesla)

**Thomas Edison (PBS):** <https://tn.pbslearningmedia.org/resource/americon-vid-thomas-edison/video/>

**History of Thomas Edison for Kids (BedtimeHistory):** <https://www.youtube.com/watch?v=CnkXrRVssLk>

\_\_\_\_\_ **Newton:** Use the clipart provided of Newton's color experiment using prisms and add to page 61 of your Newton pages. **Add the caption, "He discovered that all the colors of visible light are contained within white light."**

\_\_\_\_\_ (5 points) **Weekly Housekeeping!**

**Make sure your current checklist is signed** and in the front of your binder ready to turn in. File your papers where they go and check your supplies to make sure you have several working glue sticks, sharpened pencils, your colored Papermate Flair markers, and your **lab notebook!**

**Parent Signature:** \_\_\_\_\_

Homework Completion Grade \_\_\_\_\_/70 points