



Name: _____

Fundamentals of Chemistry & Physics: **Week 26 HOMEWORK CHECKLIST**

ALL GRADES

Due on April 16th

*****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 21: Turning Up the Heat With Thermal 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 21, take out page 125-126 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 16th along with this completed homework checklist. **Special instructions: 3rd graders are to answer 4 out of the ten questions, 4th graders are to answer 6 out of the ten questions, 5th graders are to answer 8 out of the ten questions, and 6th graders are to answer all 10 questions.** *There is an extra credit opportunity that should be supervised by an adult when using the internet for research.

_____ (15 points) For Reinforcement and Review—Thermal Energy

Read lesson 21, then watch the following videos to reinforce and review what you have learned:

Heat (Study Jams): <http://studyjams.scholastic.com/studyjams/jams/science/energy-light-sound/heat.htm>

Heat Energy (TurtleDiary): <https://www.youtube.com/watch?v=xGKg3TSO4v8>

Conduction-Convection-Radiation-Heat Transfer (NextGeneration): https://www.youtube.com/watch?v=Me60Ti0E_rY

*(Some optional videos will be included on the class webpage for you to dig a little deeper with thermal energy)

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_____ **(10 points) Spinning Spiral Convection Demonstration Lab (NEEDS ADULT SUPERVISION)**

Using the supplies given to you in class, follow the lab directions that are on page 109 of your lab notebook. This activity demonstrates how heat is transferred as a gas (the air) with convection and shows how heat rises and makes things move. **YOU MUST HAVE ADULT SUPERVISION WHEN DOING THIS LAB SINCE IT INVOLVES AN OPEN FLAME!!!!**

_____ **(5 points) Thermal Energy Transfer Vocabulary Sort**

Practice your thermal energy transfer vocabulary by playing the sorting game located on pages 110-111 of your lab notebook. We may have had time to do this once in class, but go ahead and do it at least one more time!

_____ **(5 points) Catch Up on Any Unfinished homework...**

Tennessee weather is often unpredictable which understandably left us in some chaos last week with students leaving throughout the day....so many of you did not have your scientist in the spotlight clipart, reading lesson and recall and connect questions. If you were unable to complete last week's checklist due to not having the materials needed, please get caught up this week. **I will be collecting lab notebooks for a final check on our last class day on April 23rd so make sure your scientist in the spotlight pages are done, as well as the fill-in-the-blank pages for the M.E.L.T.S. acronym energy pages.**

_____ **(5 points) Start Studying for Quarter 4 test**

Spend at least 10-15 minutes studying for the quarter 4 test which covers the five main forms of energy of our MELTS acronym. Look over lab notebook pages 81, 92, 102-103, and 108 (MELTS fill-in-the-blanks). The test will be sent home on the 16th and I will post a Factile review game for studying next week before you take the test.

_____ **(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 _____/65 points