



Name: _____

Fundamentals of Chemistry & Physics: **Week 20 HOMEWORK CHECKLIST**

ALL GRADES

Due on February 20th

*****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 16: Let's Get to Work With 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 16, take out page 95/96 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 February 20th along with this completed homework checklist. **Special instructions: 3rd graders are to answer 6 out of the first sixteen questions plus question 17. 4th graders are to answer 9 out of the first sixteen questions plus question 17, 5th graders are to answer 12 out of the first sixteen questions plus question 17, and 6th graders are to answer all 17 questions.**

_____ (15 points) For Reinforcement and Review—Energy, Work, and Potential & Kinetic Energy

Read lesson 16, then watch the following videos to reinforce and review what you have learned.

What is Energy? (Miacademy): <https://www.youtube.com/watch?v=JgXexfm4wcQ>

Potential and Kinetic Energy (AdventureAcademy): https://www.youtube.com/watch?v=zCKenikIH_c&t=15s

What's the Difference Between Potential and Kinetic Energy (DaVinci): <https://www.youtube.com/watch?v=quxEz2qxo9s>

_____ (10 points) Watch a Wile E. Coyote and Roadrunner cartoon

WITH THE HELP OF A PARENT find a Looney Tunes coyote and roadrunner episode to watch either on YouTube or on a streaming service. You are only being asked to watch one, so don't use it as an excuse to watch hours of cartoons! As you watch the episode find one example of what we have learned so far about physics. It can be a type of force, a type of energy, an example of potential or

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kinetic energy, a law of motion, etc. Anything from lessons 13-16. We did a few in class as an example to follow, so choose a different example from what was done in class. **Record your example from the cartoon on page 78 or 79 of your lab notebook.** We will discuss these in class next week.

_____ (10 points) **Scientist in the Spotlight: Galileo Galilei (For a Separate Grade)**

THIS IS FROM LAST WEEK'S CHECKLIST AND I HAD GIVEN YOU AN EXTRA WEEK IF NEEDED. PLEASE FINISH THIS ASSIGNMENT IF YOU HAVE NOT ALREADY DONE SO. WE WILL SHARE THESE NEXT WEEK.

Using the remaining pictures from the picture handout, create a scientist in the spotlight page about Galileo on page 74 of your lab notebook. Be sure to add his full name to the title piece. Then watch the video to learn more about this talented scientist. **Galileo Galilei for Kids (LearnBright):** <https://www.youtube.com/watch?v=Jl36dazqEwU> The video goes through a list of several of his discoveries and inventions. **Add these discoveries and inventions to your page along the provided pictures and give facts about his life that you found the most interesting.**

- 3rd graders add one discovery OR invention along with the pictures and one interesting fact.
- 4th graders add one discovery AND one invention along with pictures and one interesting fact.
- 5th graders add two discoveries AND two inventions along with the pictures and two interesting facts.
- 6th graders add three discoveries AND three inventions along with the pictures and two interesting facts.

NOTE: The discoveries and inventions can simply be the name of what they are and do not have to be in sentence form.

_____ (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 (or similar), and your **lab notebook!**

Parent Signature: _____

Homework Completion Grade _____/60 points