



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

Fundamentals of Chemistry and Physics: **Week 22 HOMEWORK CHECKLIST**

5th & 6th Grades

*Due on March 3rd*

\_\_\_\_\_ **(1 point) Read Lesson 22: Work Smarter, Not Harder!**

Lesson 22 was handed out in class and should be in the front of your binder. **Note:** **there are two sheets of paper for this lesson.** As you carefully read, neatly highlight or underline the main points in the lesson. This is a study skill that will help you connect with what you are reading and help you to retain the information. It is also important to **read the lesson FIRST** before attempting to complete other items on your checklist. The lesson reviews what we talked about in class and will help you complete your remaining work. **\*(You may do a mind map OR other note taking method of your choice for this lesson and hand it in next week for up to 3 points extra credit. This is optional, but great practice!)**

\_\_\_\_\_ **(3 points) Videos for Reinforcement and Review on Simple Machines**

*I know the information is repetitive in watching all three videos, BUT repetition is key to memorization. We will have a simple machines lab next week so I want you to be very familiar with the six simple machines so you are able to get more out of doing the lab work and applying what you know in the STEM activities.*

**Simple Machines (Free School):** <https://www.youtube.com/watch?v=fvOmaf2GfCY>

**Simple Machines for Kids:** <https://www.youtube.com/watch?v=LSfNYpCprw4>

**Pulley, Wheel, Lever and More:** <https://www.youtube.com/watch?v=jtk2V0M6k3M>

\_\_\_\_\_ **(1 point) Listing Simple Machines Examples (BRING TO CLASS for COMPLETION CREDIT)**

After reading the lesson and watching the videos on simple machines, I want you to find examples for each of the six simple machines and list them on a piece of paper and bring to class next week, ready for our class discussion. Try to find a few examples from your own observations, that are not mentioned in the reading or in the videos. Fifth graders need to list 5 examples for each simple machine (total of 30) and sixth graders will need to list 6 examples for each (total of 36). Be sure to organize your list

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of examples with a heading for each simple machine. Please use neat handwriting OR you may type the lists.

\_\_\_\_\_ **(1 point) Lab Notebook Page for the Scientist, Archimedes (FOR A GRADE)**

Archimedes was briefly mentioned in your reading lesson, but there is so much more to know about this fascinating scientist. Do some research and create a page that can be glued or taped into your lab notebook when you get it back from me next week (I have your notebooks this week for grading). Requirements: Title the page with his name. Include a picture and at least one fact having to do with physics and simple machines. Fifth graders should have at least five total facts and sixth graders should have at least six total facts. They can simply be words of key ideas and do not have to be complete sentences. You can also add pictures to represent the ideas. The lab notebook page is approximately 8"x10", so keep this in mind when designing your page. Below is a website to get you started on your research.

**Archimedes Facts for Kids:** <https://kids.kiddle.co/Archimedes>

\_\_\_\_\_ **(1 point) Organize your Science Binder**

Remember: Being organized helps with your learning!

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

Homework Completion Grade \_\_\_\_\_/7 points