Name:_____

Fundamentals of Chemistry and Physics: **Week 23 HOMEWORK CHECKLIST**

5th & 6th Grades

Due on March 24th

_____ **(2 points) Videos for Introduction to Electrical Energy**

Introduction to Electricity: https://www.youtube.com/watch?v=Uf76pThNXZc

Study Jams Electricity: http://studyjams.scholastic.com/studyjams/jams/science/energy-light-sound/electricity.htm **(be sure to take the test after watching the video)**

____ **(1 point) Add Archimedes to your lab notebook Page 77**

Add the Archimedes page that you created for last week's checklist to page 77 or your lab notebook.

____ **(3 points) Lab Notebook Page and videos for Rube Goldberg (FOR A GRADE)**

_____ Rube Goldberg was not a scientist; he was a cartoonist that is famous for drawing complicated "machines" that do very simple tasks. They include everyday objects and lots of simple machines. Do some research about Rube Goldberg and why his name is in the dictionary. On **page 84** of your lab notebook, design a page all about Rube Goldberg. Requirements: Title the page with his name. Include at least one visual, such as Rube's picture, one of his cartoons, or a sketch of your own Rube Goldberg machine. 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. Watch the two videos to help start your research.

_____ Watch the following videos:

All About Rube Goldberg: https://www.youtube.com/watch?v=BZh93OrKssw

Rube Goldberg: https://www.youtube.com/watch?v=40AO2RdEixs

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____ **(Extra Credit Opportunity) Build a Rube Goldberg Machine**

Building a Rube Goldberg machine can be challenging, yet loads of fun! Did you know there are even huge Rube Goldberg competitions with teams that drive their inventions in from all over the country? Try building one for yourself! For five extra credit points, your machine must have at least five steps towards its main goal. Send me a video or picture to receive the points. It doesn't have to be exactly successful, but must come close. Watch these videos to inspire you! (HOWEVER, you may not use anything dangerous for your machine…)

The Dresser: https://www.youtube.com/watch?v=UFSn8IwgQfw

The Lunch Feeder: https://www.youtube.com/watch?v=4jruLdkHhi4

World's Largest: https://www.youtube.com/watch?v=mTjJzF_Oaow

____ **(1 point) Organize your Science Binder**

Remember: Being organized helps with your learning!

____ **(1 point) Star Wars Wacky Races Final Project Guidelines**

Final project guidelines will be posted on March 7th. Be sure to check it out so you can start gathering your materials and brainstorming for ideas!

____ **(1 point) Have a Wonderful and Safe Spring Break!**

Parent Signature: _____

Homework Completion Grade _____/9 points