



Name: _____

Fundamentals of Chemistry and Physics: **Week 24 HOMEWORK CHECKLIST**

5th & 6th Grades

Due on March 30th

_____ **(1 point) Read Lesson 24: Go With the FLOW!**

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.

_____ **(1 point) Lab Notebook—Record What You’ve Learned**

After reading the lesson and watching the videos, record what you have learned about electrical energy. Draw pictures, mind map, or write out definitions for key vocabulary words and concepts. Include a sketch of a series and a parallel circuit, as well as record the advantages and disadvantages of each kind of circuit mentioned in the noted video. There is an example in your lesson of the circuit sketches and in the videos. At this point, just use whatever pages are next available.

_____ **(5 points) Videos on Electrical Energy**

Electricity (Bill Nye): <https://www.youtube.com/watch?v=gixkpsrxk4Y>

Study Jams Circuits: <http://studyjams.scholastic.com/studyjams/jams/science/energy-light-sound/current-electricity-elec-circuits.htm> **(be sure to take the included quiz after watching the video)**

Electrical Circuits-Series and Parallel: <https://www.youtube.com/watch?v=js7Q-r7G9ug> **(NOTE:** This is not the best video BUT it has good information on the advantages and disadvantages of the different circuits AND how to draw the circuits using symbols. To keep you interested, watch for the girl’s nose to disappear at some point! HA!)

How Electricity Works: <https://www.youtube.com/watch?v=mc979OhitAg>

Static Electricity (STOP at 8:23): <https://www.youtube.com/watch?v=sD1nyTG40bo>

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_____ **(1 point) Putting What You've Learned into Action**

Find one activity to put into action what you have learned about electrical energy and circuits. Record your chosen activity in your lab notebook on the next available page. If you have snap circuits at home, try out what you have learned. Try some of the static electricity experiments from the provided video. With a parent's supervision, look up a circuit project to try out. Pinterest is overflowing with many projects and experiments dealing with electricity and circuits.

_____ **(2 points) Lab Notebook Page on Benjamin Franklin and His Kite Experiment**

Watch the video on Benjamin Franklin and learn about his experiments with electricity. Create a page in your lab notebook with a title, picture/sketches, and description of how Benjamin Franklin contributed to the study of electricity. He made many contributions to science, inventions, and history, but focus your page on electricity only. Again, use the next available pages in your lab notebook.

Ben Franklin and His Kite: <https://www.youtube.com/watch?v=g5mzFb2hhHY>

_____ **(1 point) Stay in and stay healthy!!**

Parent Signature: _____

Homework Completion Grade _____/11 points