



Name: _____

Fundamentals of Chemistry & Physics: **Week 17 HOMEWORK CHECKLIST**

ALL GRADES

Due on January 30th

*******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.**

There is no reading lesson or recall and connect questions for this week. There is a lot of information and new vocabulary for the three laws of motion so I decided to take a slightly different approach and have them explore each of the laws this week through videos and observation. They will receive two reading lessons next week, BUT they will only have to listen to the laws of motion reading lesson as a way to review with no recall and connect questions.

____ **(15 points) Exploring Newton's First Law of Motion (For a Grade)**

____ Watch the following two videos on Newton's first law of motion:

Newton's First Law of Motion (LearnBright): [https://www.youtube.com/watch?](https://www.youtube.com/watch?v=gwukMqwBB_s&t=1s)

[v=gwukMqwBB_s&t=1s](https://www.youtube.com/watch?v=gwukMqwBB_s&t=1s)

Forces-Inertia (Miacademy):<https://www.youtube.com/watch?v=rAHBsvC8XZM&t=20s>

____ On the top 2/3 of **page 63** of your lab notebook, record examples of the first law that you learned from the videos. You can draw pictures, write key words, or print out picture examples.

____ On the bottom 1/3 of **page 63** record an observation of how **YOU** have practiced Newton's first law of motion in your play or sports activities this week. Be specific in your own observation. 3rd/4th graders record one observation of the first law and 5th/6th graders record two.

____ **(15 points) Exploring Newton's Second Law of Motion (For a Grade)**

____ Watch the following video on Newton's second law of motion:

Newton's Second Law of Motion (LearnBright): [https://www.youtube.com/watch?](https://www.youtube.com/watch?v=EJkPF21tORE)

[v=EJkPF21tORE](https://www.youtube.com/watch?v=EJkPF21tORE)

____ On the top 2/3 of **page 65** of your lab notebook, record examples of the second law that you learned from the video. You can draw pictures, write key words, or print out picture examples.

____ On the bottom 1/3 of **page 65** record an observation of how **YOU** have practiced Newton's second law of motion in your play or sports activities this week. Be specific in your own observation 3rd/4th graders record one observation of the second law and 5th/6th graders record two.

____ **(15 points) Exploring Newton's Third Law of Motion (For a Grade)**

____ Watch the following video on Newton's third law of motion:

Newton's Third Law of Motion (LearnBright): [https://www.youtube.com/watch?v=a-](https://www.youtube.com/watch?v=a-wh3fJRdjo)

[wh3fJRdjo](https://www.youtube.com/watch?v=a-wh3fJRdjo)

____ On the top 2/3 of **page 67** of your lab notebook, record examples of the second law that you learned from the video. You can draw pictures, write key words, or print out picture examples.

____ On the bottom 1/3 of **page 67** record an observation of how **YOU** have practiced Newton's third law of motion in your play or sports activities this week. Be specific in your own observation. 3rd/4th graders record one observation of the third law and 5th/6th graders record two.

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_____ **(5 points) Review Key Words**

In class, we highlighted key words to remember in each of the three laws of motion that will help you memorize what each law is about. Review those terms and phrases from pages 62, 64, and 66. Be prepared for a little friendly competition to start class next week to see how well you have learned the three laws of motion! Challenge yourself to memorize the entire wording of each law!

_____ **(10 points) Scientist in the Spotlight Lab Notebook—Sir Isaac Newton (For a Grade)**

Follow Directions carefully: You were given a printout in class with things to cut out and use for Newton's "scientist in the spotlight" pages. You will only complete the first page this week, which is **page 60** in your lab notebook. DO NOT glue anything onto page 61 (we will add to this later as we learn more about Newton's work). You are to fit the following pieces on page 60: the scientist in the spotlight title piece with Sir Isaac Newton written in the blank, the picture of Newton, the "early life" piece you created last week, and Newton's book "Principia". To make the Principia booklet: Cut along the outside black line of the book piece and fold in half to form a mini book. On the inside of the booklet write, "Three Laws of Motion" **Get all four pieces ready BEFORE gluing onto page, then arrange them on page 60 to fit and THEN glue them in.**

_____ **(5 points) Weekly Housekeeping!**

Make sure your checklist is signed and in the front of your binder ready to turn in. File your reading lesson from last week behind the reading lesson tab if you have not already done so. 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 _____/65 points