

| Day | Academic Objective | Activities | Homework/Assessments | Biblical Integration |
|-----|---|--|--|--|
| TU | Describe the types of energy and the role of energy in the changes of matter. | Discuss chapter 1, pg. 10 – 15a "Energy and Changes in Matter" | <ul style="list-style-type: none"> The Physics Classroom, due tomorrow by 8:00 A.M. - see note below Web post due by Saturday, 8:00 A.M., Topic – Goal for 2nd Term in Chemistry & what you'll do to try to meet it | Students will understand that God continuously sustains all things throughout the present investigating changes in matter. |
| W | Explore and participate in STEM applications | 1st, 2nd, 4th Periods: PSAT 7th Period: ACTIVITY: Citizen Science | <ul style="list-style-type: none"> Read (& Print) LAB: It Was a Cool, Fall Day | |
| TH | Investigate properties and changes in matter. | LAB: It Was a Cool, Fall Day | <ul style="list-style-type: none"> The Physics Classroom, due tomorrow by 8:00 A.M. - see note below | |
| F | Introduction to formal lab reports | Tech 101.1 and Lab reports | <ul style="list-style-type: none"> Formal lab report due Monday - see note below Web post due by Saturday, 8:00 A.M., Topic – Goal for 2nd Term in Chemistry & what you'll do to try to meet it | |

The Physics Classroom Activities

- Set up an account at [The Physics Classroom](https://www.physicsclassroom.com/). Click on My Account at <https://www.physicsclassroom.com/>
- Class codes are listed below: Be careful with your password – you will need to enter it twice. If you get a notice that your email has already been used, then go to that email and click where it says Sign In. Follow from there.
 - Chemistry 1 - ncschemistry12022
 - Chemistry 2 – ncschemistry22022
 - Chemistry 4 – ncschemistry42022
 - Chemistry 7 – ncschemistry72022
- Click on Tasks and Courses to open assigned activities. Read all the directions on the activity page. (TPC sends your info to me automatically, so there is nothing for you to turn in when you're done.)
 - DUE WEDNESDAY: Which One Doesn't Belong? Chemical and Physical Changes** – all levels
 - DUE FRIDAY: Which One Doesn't Belong? Energy and Chemical Reactions** – all levels
- Hint: Jot notes down on paper as you go through the questions to help build the layers of learning in your brain!!

It Was a Cool Fall Day... Lab Report due Monday, Oct. 17, 8:00 A.M., submitted as PDF 2X (this means once to your Google Drive Shared folder and once to Turnitin.com)

Memorize elements & symbols, due Wed, 10/19. Elements with these atomic numbers **1 - 58, 60, 61, 74, 76 - 95**

TEST on Chapter 1 Tuesday, October 25

"How do you respond when you sense the Lord is calling you to a task that seems beyond your abilities? Do you list all the reasons why you can't possibly do it? God already knows everything about you and the situation. He's not asking your permission to proceed; rather, He is calling you to move forward with faith in Him. You can refuse, but you risk missing out on the blessings of a life lived in obedience to Him." Charles Stanley