

## 8<sup>th</sup> Grade Summer Homework

The first unit we cover in physical science is the structure of matter and the periodic table of elements. This is a branch of science called chemistry.

This assignment will help lay the groundwork for these lessons. You may write the answers to the homework questions on a piece of notebook paper or type and print them. Bring these with you the first day of school. First watch this video about chemistry and how it relates to the other sciences. <https://www.youtube.com/watch?v=Rd4a1X3B61w&feature=youtu.be>

Next watch this video and use it to answer the following questions.

[https://www.youtube.com/watch?v=IFKnq9QM6\\_A&feature=youtu.be](https://www.youtube.com/watch?v=IFKnq9QM6_A&feature=youtu.be)

1. What is an element?
2. What is an atom?
3. What is the atomic number of an atom?
4. What three particles are atoms made of?
5. What is the center of an atom called?