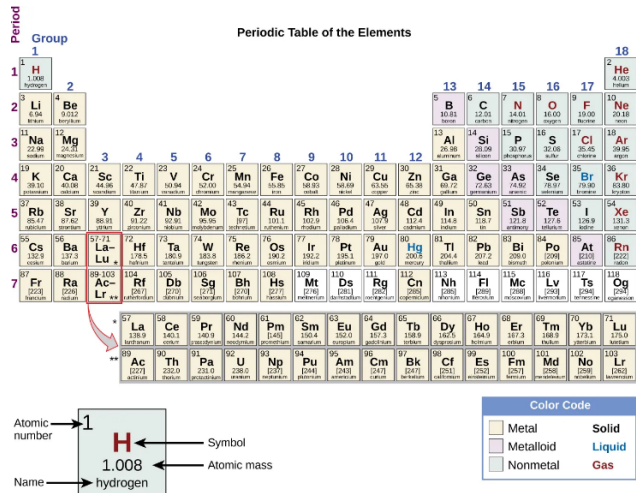


Day 5 – AP Biology - 8-20-24 to 8-21-24

CLASSWORK – Chemistry of Life

Online textbook:

<https://openstax.org/books/biology-2e/pages/2-introduction>



	Bond type	Molecular shape	Molecular type
Water	Polar covalent	Bent	Polar
Methane	Nonpolar covalent	Tetrahedral	Nonpolar
Carbon dioxide	Polar covalent	Linear	Nonpolar

1) READ/OUTLINE: (30 minutes)

Read and outline Chapter 2 of the Openstax Biology textbook.

The general chapter link is above, specific section links are below:

Chap 2. The Chemical Foundation of Life

- [Introduction](#)
- [2.1 Atoms, Isotopes, Ions, and Molecules: The Building Blocks](#)
- [2.2 Water](#)
- [2.3 Carbon](#)
- [Key Terms](#)

2) VIDEOS: The Chemistry of Life

(Take notes while you watch video)

a) Atomic Structure and the Periodic Table: (6:23)

<https://www.youtube.com/watch?v=Zg8fJz-2pjs>

b) The Nucleus: (10:11)

[https://www.youtube.com/watch?](https://www.youtube.com/watch?v=FSyAehMdpyl&list=PLuYc8dBrwA251NofSCYsj3mijd4fs9Lif&index=1&pp=iAQB)

[v=FSyAehMdpyl&list=PLuYc8dBrwA251NofSCYsj3mijd4fs9Lif
&index=1&pp=iAQB](https://www.youtube.com/watch?v=FSyAehMdpyl&list=PLuYc8dBrwA251NofSCYsj3mijd4fs9Lif&index=1&pp=iAQB)

c) The Periodic Table: (11:21)

[https://www.youtube.com/watch?](https://www.youtube.com/watch?v=0RRVV4Diomg&list=PLuYc8dBrwA251NofSCYsj3mijd4fs9Lif&index=2)

[v=0RRVV4Diomg&list=PLuYc8dBrwA251NofSCYsj3mijd4fs9Li
f&index=2](https://www.youtube.com/watch?v=0RRVV4Diomg&list=PLuYc8dBrwA251NofSCYsj3mijd4fs9Lif&index=2)

3) HOMEWORK

1) Complete the **Outline**.

2) Finish the **Video Notes**.

Submit your assignment on Schoology as soon as completed.