

Chapter 2 Sections 1 and 3 Notes

Objectives: Students will

- Define 6 words related to macromolecules.
- Compare the 2 main types of bonds.
- Analyze why carbon is special.
- Summarize how monomers, polymers, and macromolecules are related.
- List the 4 classes of macromolecules

Obj. A) Understanding Check

Given the following clues, identify which word it represents.

- Positive subatomic particle
- Element
- H₂O
- NaCl
- Nucleus, no charge
- Basic unit of matter
- Orbit, negative charge

- A) Identify and describe the subatomic particles in an atom.

Units of Matter

Complete a mini-link word for the following:

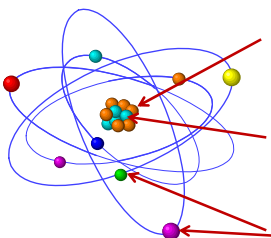
Vocabulary Word	Link Word	Reminds me of
Atoms		
Elements		
Compounds and Molecules		

- B) Compare the two types of chemical bonds

Ionic Bonds

Covalent Bonds

- A) Identify and describe the subatomic particles in an atom.



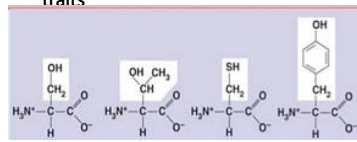
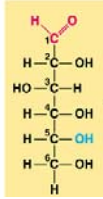
Obj. B) Understanding Check

Which type of bond is it and why?.

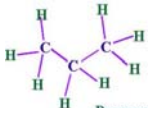
- MgCl₂
- C₆H₁₂O₆
- H₂O
- NaCl
- NH₃
- HCl
- KBr

C) Analyze why carbon is special.

These are real carbon compounds. Identify at least 2 unique carbon traits



Trait 1 I notice is



Trait 2 I notice is

E) List the 4 classes of macromolecules

1. _____



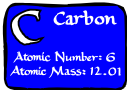
2. _____



3. _____

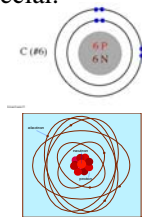


4. _____



C) Analyze why carbon is special.

Carbon



Organic Compounds

- Organic = _____
- Contain _____
- Carbon = ___ electrons in its outside energy level.
- Can bond on _____
- Can form _____
- _____ element of _____

Exit Ticket.

1. Rank these in order from small to large in their relationship to each other: Element, Compound/Molecule, Atom, Subatomic particles
2. What are many monomers linked together called?
3. What process links monomers?
4. Why is carbon the main element found in macromolecules?
5. What are the four macromolecules.

D) Summarize how monomers, polymers, and macromolecules are related.



Complete a mini-link word for the following:

Vocabulary Word	Link Word	Reminds me of
Monomers		
Polymers		
Macromolecules		