

Ch 2 – Chemistry Essay Quiz Questions

Tomorrow you have to answer 3 of these. Only 1 of them can be #1 or #3. Choose which you are doing and prepare what you will say in advance to make them the best they can be.

1. Explain **why** some molecules form covalent bonds while others form ionic bonds. Be sure to describe the **characteristics** of each.
2. What **characteristic** of water causes it to be attracted to other water molecules? What **causes** that characteristic?
3. If you have 2 carbon and 1 oxygen, **draw** a molecule that shows them forming a possible molecule. You may add other atoms if needed. **Explain if** your molecule is polar or not and **why**.
4. Not all atoms form the same number of bonds. **What** determines that characteristic? **Draw** a diagram to illustrate how Carbon is different from Oxygen and **explain** each.
5. Not all attractions between atoms are strong. **Rank** the types from strongest to weakest and **describe** what explains the decreasing strength of each.