1. What is everything in the universe composed of? What is the definition for that term?
2. How many protons are in Helium? (Its atomic number is 2 and atomic mass is 4.002)
3. How many electrons are in Helium? (Its atomic number is 2 and atomic mass is 4.002)
4. Define “element”
5. What is the smallest unit of matter that still retains the chemical properties of that element?
6. Where is the nucleus located in an atom? Where are the electrons located?
7. Electrons cannot be pinpointed, they are found in regions of 3D space called….?
8. Label the following with atomic symbol, atomic mass, atomic number, number of protons, number of electrons and number of neutrons.



