

Practice: Atom Vocabulary

Part 1: Use the word bank below to label each definition with the appropriate term.

Atom	Electrons	Quarks
Neutrons	Electron cloud	Protons
Nucleus	Valence electrons	Shells

1. This subatomic particle is what gives the nucleus an overall positive charge. _____
2. This is the space surrounding the nucleus that has an overall negative charge. _____
3. The smallest particle of an element that still has the element's properties. _____
4. Located in the outermost energy level of the electron cloud, with the most energy. _____
5. This subatomic particle contributes to the overall mass of an atom, but not its charge. _____
6. The dense center of an atom. _____
7. The smallest known particles that make up both protons and neutrons. _____
8. Also known as energy levels, these break up the region of space surrounding the nucleus. _____
9. The subatomic particle located in the space surrounding the nucleus. _____

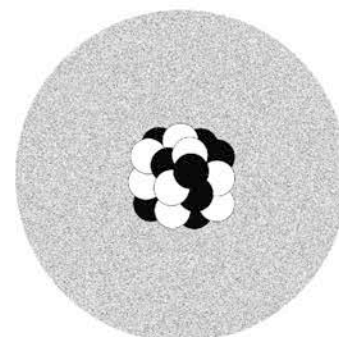
Part 2: Fill in the chart below about the three subatomic particles.

10.

Particle	Symbol	Location	Charge

Part 3: Answer the following question, using the diagram to the right.

11. Label the two parts of an atom. Include which contributes most to the atom's mass and which contributes most to the atom's volume.



Part 4: Answer the following question.

12. Using the vocabulary terms atom and element appropriately, describe what makes up the compound CO₂. *Hint: Think back to the example given in the notes like this.*