

NAME:

1. **NEXT SUNDAY, December 15, we will play a HEADBANZ GAME based on what we have learned so far. Please study real hard for it!!! You need to review Lectures ##1-11.**
2. **Match the words from the *word bank* to complete the sentences:**
 - a. The nucleus of an atom contains positively charged _____ .
 - b. An atom consists of positively charged nuclei and negatively charged _____ .
 - c. The nucleus of an atom contains particles with no charge called _____ .
 - d. _____ is the center-most part of an atom where the protons and neutrons are found.
 - e. The smallest building block of matter is _____ .

*Atom**Neutrons**Nucleus**Protons**Electrons*

3. The size of an atom is about $\sim 10^{-10}\text{m}$. The size of an atomic nucleus is $\sim 10^{-14}\text{m}$.
What part (by volume) of an atom does its nucleus take?