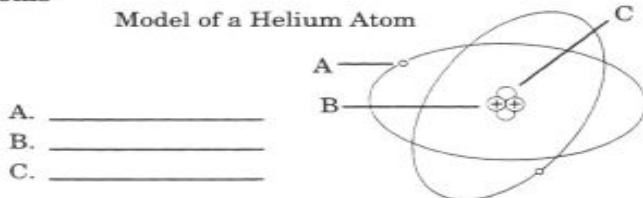






Atoms and Molecules

Atoms

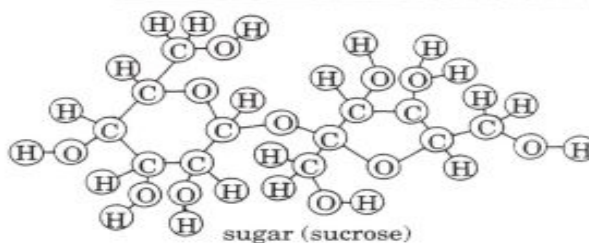
Model of a Helium Atom



- | | |
|--|-----------|
|  | aluminum |
|  | gold |
|  | magnesium |
|  | tin |

Elements are composed of only one kind of atom.

Molecules



1. What is an atom? _____
2. What is a molecule? _____
3. Label parts A, B, and C on the helium atom model above.
4. Write the word from Column B in the space before its description in Column A.

Column A

Column B

- | | | |
|-------|--------------------------------|------------|
| _____ | a. coined the term "atom" | nucleus |
| _____ | b. orbit in layers | electron |
| _____ | c. most of the mass of an atom | Dalton |
| _____ | d. modern atomic theory | neutron |
| _____ | e. neutral particles | Democritus |

5. a. What is the composition of a sugar molecule? _____
 b. What is the composition of a water molecule? _____
 c. What is the composition of a salt molecule? _____