

## Vocabulary 3 IPC

molecule  
gas  
state of matter  
solid  
element

atomic number  
electron  
neutron  
liquid

compound  
plasma  
proton  
model

atom  
nucleus  
mass number  
natural element

### Matching

Match each definition with a word.

1. \_\_\_\_\_ the smallest particle of a compound which can exist and have the properties of that substance
2. \_\_\_\_\_ An element found in nature.
3. \_\_\_\_\_ The three forms of matter (liquid, solid, and gas).
4. \_\_\_\_\_ A substance that is made up of two or more elements chemically joined together.
5. \_\_\_\_\_ a tiny particle in an atom with the weight of a proton and no electrical charge.
6. \_\_\_\_\_ A state of matter that has no fixed shape and no fixed volume.
7. \_\_\_\_\_ the state of matter that does not have a definite shape or volume and whose particles have broken apart; plasma is composed of electrons and positively charged ions
8. \_\_\_\_\_ *Picture or Idea built to explain how something works*  
A representative form or pattern.
9. \_\_\_\_\_ Sum of the protons and neutrons in the nucleus of an atom.
10. \_\_\_\_\_ A state of matter that has no fixed shape but that has a definite volume.
11. \_\_\_\_\_ The basic building block of matter.
12. \_\_\_\_\_ Substance made up of only one kind of atom.
13. \_\_\_\_\_ A state of matter that has a definite shape and a definite volume.
14. \_\_\_\_\_ Number assigned to each element that is the number of protons in the nucleus of one of its atoms.
15. \_\_\_\_\_ A very tiny particle that moves around the nucleus of the atom in layers called "shells." It has a negative electric charge.
16. \_\_\_\_\_ The center of an atom.
17. \_\_\_\_\_ Positively charged particle located in the nucleus of an atom.