

Blue cards participate \_\_\_\_\_ of the possible \_\_\_\_\_ of atoms \_\_\_\_\_  
 1. \_\_\_\_\_  
 2. \_\_\_\_\_

Atomic fraction number \_\_\_\_\_ of particles \_\_\_\_\_ in the particles \_\_\_\_\_ of an atom \_\_\_\_\_

Relative mass an set particles \_\_\_\_\_  $\rightarrow$  an set particles \_\_\_\_\_  $\rightarrow$   $\rightarrow$

Isotopes atoms \_\_\_\_\_ of an element \_\_\_\_\_ that have different \_\_\_\_\_ numbers \_\_\_\_\_ or \_\_\_\_\_

### Isotopes of Hydrogen

Hydrogen-1

1. \_\_\_\_\_ protons and \_\_\_\_\_ neutrons

Hydrogen-2

1. \_\_\_\_\_ protons and \_\_\_\_\_ neutrons

Hydrogen-3

1. \_\_\_\_\_ protons and \_\_\_\_\_ neutrons

Mass fraction mass \_\_\_\_\_ number of particles \_\_\_\_\_ and \_\_\_\_\_ in an atom \_\_\_\_\_

Example: Carbon-12 \_\_\_\_\_ 12.011 \_\_\_\_\_ 12.011 \_\_\_\_\_ 12.011 \_\_\_\_\_

| Particle | Charge  | Mass                         | Location       |
|----------|---------|------------------------------|----------------|
| Proton   | +1      | 1.673 x 10 <sup>-27</sup> kg | Nucleus        |
| Neutron  | Neutral | 1.675 x 10 <sup>-27</sup> kg | Nucleus        |
| Electron | -1      | 9.109 x 10 <sup>-31</sup> kg | Electron cloud |

Atomic mass average \_\_\_\_\_ of the masses \_\_\_\_\_ of all the isotopes of \_\_\_\_\_

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# Note Taking Guide Episode 302 Answers Chemistry

**Lauren Gardner**



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