| Name: | Date: | Period: |
|---|------------------------|---|
| Atoms are the basic units of They have 3 p | | |
| Atoms arebecause they have the same num | | |
| | | Protons |
| | sit in the | charged particles that The number of states the type of |
| | | and the |
| | Electi | : Y |
| Neutrons particles that are in | that sit in the ele | The |
| the nucleus and have no All atoms, except, have and | and the second and the | nird shells can hold |
| 2016 Tammy Morehouse | | f protons determines the element, what is atom represent? |

| Name: | Date: | Period: |
|---|--|---|
| A substance that cannot be | into simpler substances by | means. An element |
| is composed of that have the | : same | , that is, each atom has the same |
| number of in its | Cu Cu | NEVILO |
| | | |
| | | |
| Every element has a unique | • | very element is |
| It indicates the total | of in the | sing a unique of one or |
| of the atom. Normal | - u | two letters. The first letter is always |
| so it is also the number of | | and |
| | 9 | if there is a second letter, it is |
| Atomic Number 📗 | | |
| ` | | Some are based on other |
| Flowant Mana | Ma | languages — Fe is, |
| Element Name | MUF | from the Latin "ferrium." |
| Every element has its | | Ψ.) |
| own unique name. Many element | Magnesium | Chemical Symbol |
| names are very Like | 10.3 | A 1 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - |
| , | 24.305 | Atomic Mass |
| many are based on other languages. | | Atomic mass is the mass of |
| is named after | and | in an atom |
| khloros, the Greek word for "greenish | are so small, they do not add to the n | nass. The mass is a |
| yellow." New names are approved by an | because it is an average of the | , which are atoms of |
| · | the that have m | nore or less |
| *************************************** | ~ | |
| What element's neutral atom | has 17 electrons? How manu no | eutrons are in a lithium atom? |
| you | | |

try: 2016 Tammy Morehouse

| Name: | Date: | Period: |
|----------------------|--------|--|
| AFOMES | | SFURE - |
| | | Protons |
| Neutrons | Electr | ons |
| 2016 Tammy Morehouse | | protons determines the element, what atom represent? |

| Name: | Date: | Period: |
|---------------|-------|---------|
| | | AENTS- |
| **** | | |
| Atomic Number | 12 | |
| Element Name | ſ Ma← | |

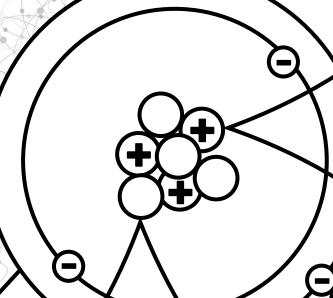
Magnesium Chemical Symbol Atomic Mass

What element's neutral atom has 17 electrons?

How many neutrons are in a lithium atom?

AFOMESTRUCTURE

Atoms are <u>neutral</u> because they have the same number of <u>protons</u> (+) and <u>electrons</u> (-).



Protons

Positively charged particles that sit in the <u>nucleus</u>. The number of protons determines the type of <u>element</u> and the Atomic Number

Neutrons

Neutral particles that are in the nucleus and have no <u>Charge</u>.

All atoms, except <u>hydrogen</u>, have <u>neutrons</u> and <u>protons</u> in their nucleus.

Electrons

The sit in the electron shells or energy levels. The first shell can hold two electrons and the second and third shells can hold electrons.

You try:

If the number of protons determines the element, what element does this atom represent?

3 Protons = Lithium

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| Name: Teacher | Key . | Date: | Period: |
|---|--|--|---|
| A substance that cannot bebroken is composed ofatoms that has number ofprotoms in its | ve the same <u>Atomic</u> _ | • | hemical means. An element that is, each atom has the same |
| It indicates the total | protons in the neutral lates are Magnesia 24.305 - protons and are so small, they do not because it is an average | using two in weutrons t add to the mass. of the isotol | element isabbreviated |
| What element's neutral 17 - Chlorine 2016 Tammy Morehouse | atom has 17 electrons? | • | ons are in a lithium atom? 3 Atomic Mass 7 Neutrons |

