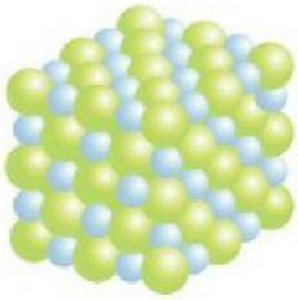
Online Test Practice

Matter and Atoms

1. Matter that has fixed composition is a _____.

Need a Hint?



A. solid

B. mixture

C. solution

D. substance

---

2. Which of the following is a solution?

Need a Hint?

A. chlorine

B. salt water

C. muddy water

D. milk

---

3. Which are combinations of substances that can be separated by physical processes?

Need a Hint?

A. mixtures

B. elements

C. compounds

D. atoms

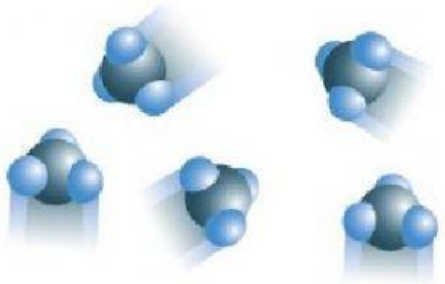
---

4. A(n) _____ is made of two or more elements chemically combined

LIVEWORKSHEETS

in fixed ratios.

Need a Hint?



A. ○ atom

B. ○ solution

C. ○ mixture

D. ○ compound

---

5. What is an example of homogeneous mixtures?

Need a Hint?

A. ○ salad

B. ○ powdered drink mix

C. ○ vegetable soup

D. ○ pecan ice cream

---

6. A mixture in which the substances are not mixed evenly is called _____.

Need a Hint?

A. ○ homogeneous

B. ○ a solution

C. ○ heterogeneous

D. ○ precipitated

---

7. Which is the substance being dissolved in a solution?

Need a Hint?

LIVEWORKSHEETS

A. ○ the solute

B. ○ the solvent

C. ○ the insolvent

D. ○ the substrate

---

8. Which is a substance that cannot be broken down into simpler substances?

Need a Hint?

A. ○ a mixture

B. ○ a metal

C. ○ a compound

D. ○ an element

---

9. A(n) _____ is a combination of chemical symbols indicating what elements are present in a molecule.

Need a Hint?

A. ○ subscript

B. ○ superscript

C. ○ chemical formula

D. ○ chemical equation

---

10. What particle in an atom is electrically neutral?

Need a Hint?

A. ○ alpha

LIVEWORKSHEETS

B. ○ proton

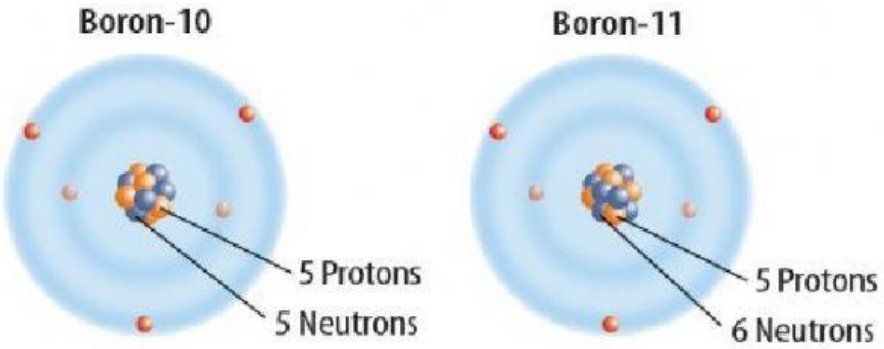
C. ○ neutron

D. ○ electron

---

11. Atoms of the same element that have different numbers of neutrons are called _____.

Need a Hint?



A. ○ isotopes

B. ○ protons

C. ○ metals

D. ○ ions

---

12. An element's atomic number is the number of _____ in the nucleus of each atom of that element.

Need a Hint?

A. ○ neutrons

B. ○ protons

C. ○ electrons

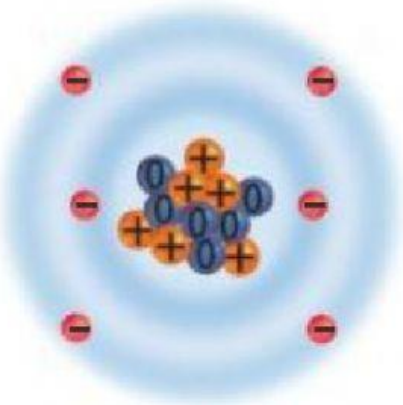
D. ○ positrons

---

13. An atom containing six protons and six electrons has _____ charge.

Need a Hint?

LIVEWORKSHEETS 2/9/2022, 1:06 PM



A. ○ a positive

B. ○ a negative

C. ○ no net

D. ○ a strong negative

---

14. Most of an atom's mass is contained in _____.

Need a Hint?

A. ○ the electron orbits

B. ○ the electron cloud

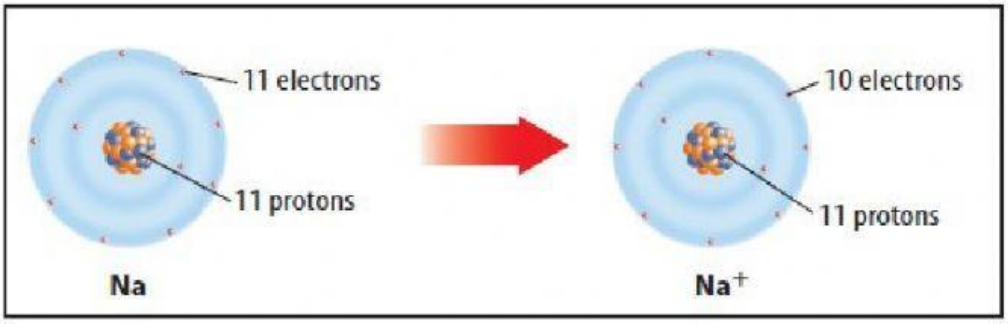
C. ○ its outer energy shell

D. ○ its nucleus

---

15. A(n) _____ is an atom that has gained or lost an electron and is no longer neutral.

Need a Hint?



A. ○ ion

B. ○ isotope

C. ○ molecule

LIVEWORKSHEETS

D. ○ compound

STOP This is the end of the test. When you have completed all the questions and reviewed your answers, press the button below to grade the test.

Grade the Test

Please read our Terms of Use and Privacy Notice before you explore our Web site. To report a technical problem with this Web site, please contact Technical Support.

Education

The McGraw-Hill Companies

LIVEWORKSHEETS