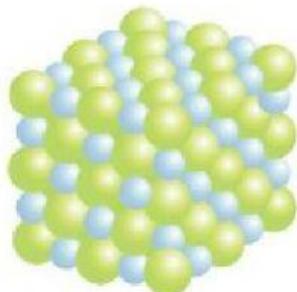


Online Test Practice**Matter and Atoms**

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?

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- A. chlorine
- B. salt water
- C. muddy water
- D. milk

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

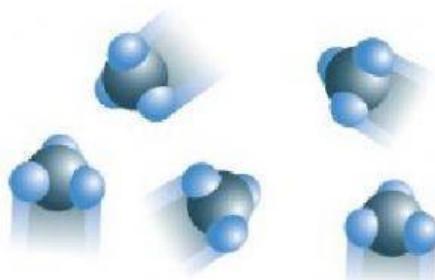
[Need a Hint?](#)

- A. mixtures
- B. elements
- C. compounds
- D. atoms

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

in fixed ratios.

[Need a Hint?](#)



- A. atom
- B. solution
- C. mixture
- D. compound

5. What is an example of homogeneous mixtures?

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- 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 _____.

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- A. homogeneous
- B. a solution
- C. heterogeneous
- D. precipitated

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

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- 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?

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- 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.

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- A. subscript
- B. superscript
- C. chemical formula
- D. chemical equation

10. What particle in an atom is electrically neutral?

[Need a Hint?](#)

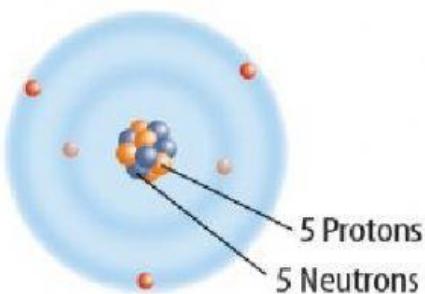
- A. alpha

- B. proton
- C. neutron
- D. electron

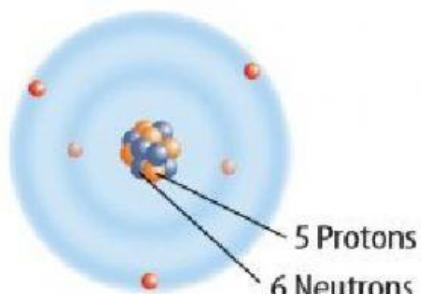
11. Atoms of the same element that have different numbers of neutrons are called _____.

[Need a Hint?](#)

Boron-10



Boron-11



- A. isotopes
- B. protons
- C. metals
- D. ions

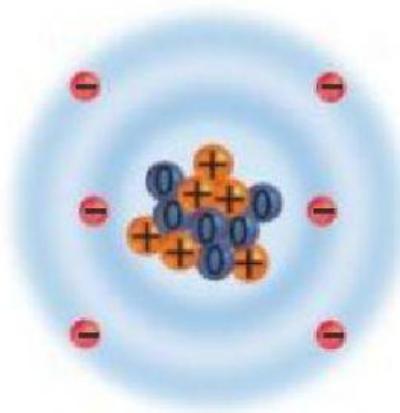
12. An element's atomic number is the number of _____ in the nucleus of each atom of that element.

[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?](#)



A. a positive
B. a negative
C. no net
D. a strong negative

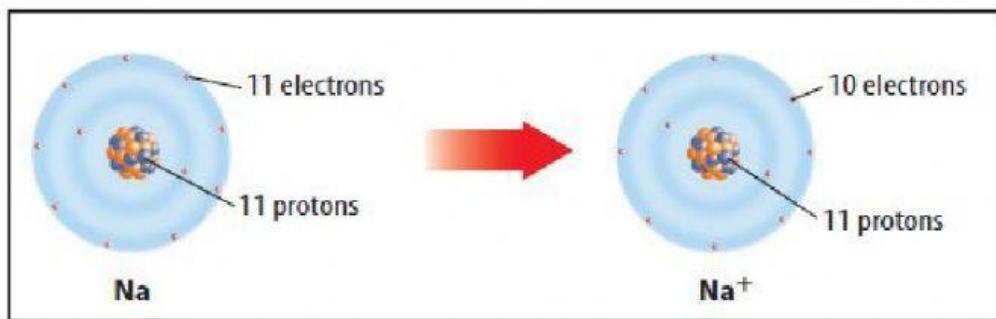
14. Most of an atom's mass is contained in _____.

[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

D. compound

 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

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