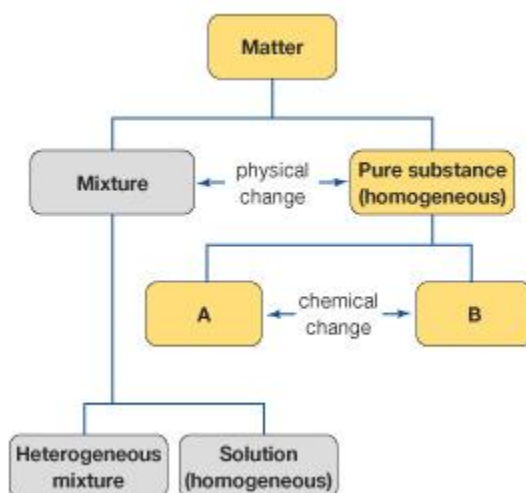


FIRST MID-TERM EXAM

A) Choose the correct choice and write your answer in the table below

1) What do scientists call a pure substance that cannot be broken down into other pure substances?

- a) compound b) An emulsion c) An element d) A particle
-



2) Which of the following two terms best represent (A) and (B) on this chart ?

- a) (A) element, and (B) compound.
b) (A) element, and (B) mixture.
c) (A) element, and (B) Ion.
d) (A) element, and (B) property.
-

3) Which of the following measurements will be useful in identifying a substance?

- a) Mass
b) Density
c) Volume
d) Quantity
-

4) A change that occurs when one or more substances change into entirely new substances with different properties?

- a) Intensive change
- b) Extensive change
- c) Physical change
- d) Chemical change

5) A piece of gold with a mass of 521 g is added to 50.0 cm³ of water. The water level rises to a volume of 77.0 cm³. What is the density of the gold in g/cm³ ?

- a) 6.77 b) 10.4 c) 19.3 d) 0.0518

6)

7)

8)

8) A temperature of 41°F is the same as:

- a) 16°C. b) 42°C. c) 310°C d) 5°C
-

9) The correct name for $\text{CuSO}_4 \cdot 5 \text{H}_2\text{O}$, is:

- a) copper(II) sulfate hydrate. b) copper(II) sulfate pentahydrate.
c) copper(I) sulfate pentahydrate. d) copper sulfate pentahydrate.
-

10) The number of protons, neutrons and electrons of the following elements:

- | Sr | | Ca⁺² |
|--------------------|---|------------------------|
| a) (38p, 50n, 38e) | , | (20p, 18n, 21e) |
| b) (38p, 50n, 38e) | , | (20p, 20n, 18e) |
| c) (50p, 38n, 38e) | , | (18p, 20n, 20e) |
| d) (38p, 38n, 50e) | , | (20p, 18n, 20e) |
-

11) Which element, when combined with Fluorine (F), would most likely form an ionic compound?

- a) Lithium (Li) b) Phosphorus (P) c) Carbon (C) d) Chlorine (Cl)
-

12) The name of the HClO_2 is :

- a) Chlorous acid b) Hypochlorous acid
b) Chloric acid d) Perchloric acid
-

13) What is the correct name for $\text{Sn}_3(\text{PO}_4)_2$?

- a) tritin diphosphate b) tin(II) phosphate
c) tin(III) phosphate d) tin(IV) phosphate
-