ARMS
ACADEMY

GENERAL CHEMISTRY

Ch 1

Practice

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Q1/ What are the physical properties of matter? Give three examples.

Q2/ Define chemical properties and explain how they differ from physical properties.

Q3/ What is the difference between a pure substance and a mixture?

Q4/ Classify the following as:
Element / Compound / Homogeneous mixture / Heterogeneous mixture

a. Milk
b. Oxygen gas
c. Sugar water
d. Pizza

Q5/ What is the SI unit of mass and temperature?

Q6/ Convert 35°C to Kelvin.

Q7/ Define density. Write its formula and SI unit.

Q8/ A piece of metal weighs 200 g. When placed in water, it displaces 50 mL of water. Calculate its density.

Q9/ What is the difference between accuracy and precision?

Q10/ How many significant figures are in each of the following?

a. 0.00450

b. 1.50×10^2

c. 4500

d. 2.300

Q11/ Solve and write the answer using the correct number of significant figures:

a. 4.50 × 3.2 =

b. 15.00 ÷ 4.2 =

Q12/ Differentiate between a physical change and a chemical change.

Q13/ A liquid has a mass of 150.0 g and occupies a volume of 120.0 mL.

What is the density of the liquid? Is this density higher or lower than water?

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استثمر في تعليمك اليوم ،لتحصد
ثمار ذلك غداً

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