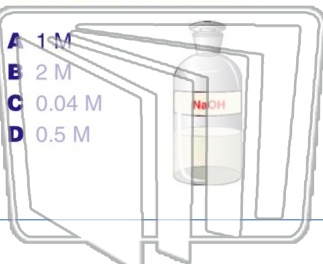




Name _____ Class _____ Date _____

1

What is the **molarity** of a solution containing 20 grams of NaOH in 500 milliliters of solution?



- A 1 M
- B 2 M
- C 0.04 M
- D 0.5 M

2

A student **neutralized** 16.4 milliliters of HCl by adding 12.7 milliliters of 0.620 M KOH. What was the **molarity** of the HCl acid?

- A 0.168 M
- B 0.480 M
- C 0.620 M
- D 0.801 M

3

What is the **percent composition** by mass of **aluminum** in $\text{Al}_2(\text{SO}_4)_3$ (gram-formula mass = 342 grams/mole)?

4

A sample of a compound contains **65.4 grams of zinc**, **12.0 grams of carbon**, and **48.0 grams of oxygen**. What is the **percent composition** by mass of **oxygen** in the compound?

5

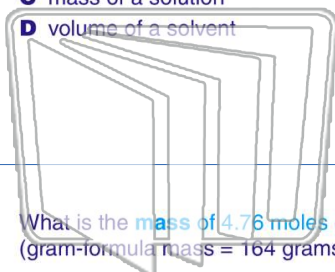


PREVIEW

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7

- A moles of solute per kilogram of solvent
- B moles of solute per liter of solution
- C mass of a solution
- D volume of a solvent



per mole. The **molecular formula** for this compound is

- A CH_2
- B C_4H_6
- C C_4H_8
- D C_6H_4



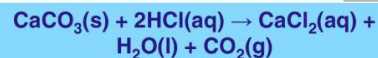
9

What is the **mass** of **4.76 moles** of Na_3PO_4 (gram-formula mass = 164 grams/mole)?

- A 758 g
- B 781 g
- C 871 g
- D 178 g

10

Given the balanced equation:



What is the total number of **moles of CO_2 formed** when 20 moles of HCl is completely consumed?

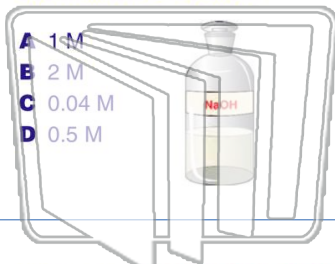
- A 5.0 mol
- B 10 mol
- C 20 mol
- D 40 mol





Name _____ Class _____ Date _____

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PREVIEW

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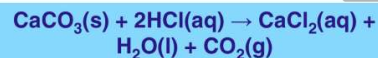
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