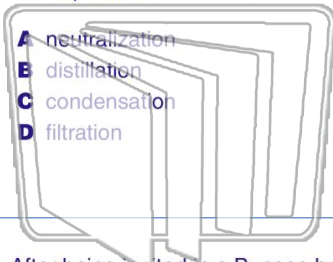




Name _____ Class _____ Date _____

1 By which process is a **precipitate most easily separated** from the liquid in which it is suspended?

- A neutralization
- B distillation
- C condensation
- D filtration



2 The results of testing a **colorless solution** with **three indicators** are shown in the table.

Which formula could represent the **solution tested**?

Indicator	Result
red litmus	blue
blue litmus	blue
phenolphthalein	pink

- A NaOH(aq)
- B HCl(aq)
- C $C_6H_{12}O_6$ (aq)
- D $C_{12}H_{22}O_{11}$ (aq)

3 After being ignited in a Bunsen burner flame, a piece of **magnesium ribbon burns brightly**, giving off heat and light. In this situation, the Bunsen burner **flame provides**

4 When an **equilibrium** exists between the **dissolved and the undissolved solute** in a solution, the solution must be

5



PREVIEW

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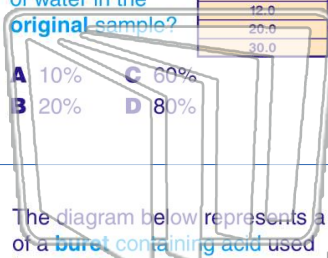
7

of a **hydrated salt**.

Heating Time (min)	Mass of Salt (g)
0.0	10.0
4.0	9.2
8.0	8.6
12.0	8.0
20.0	8.0
30.0	8.0

What is the percent of water in the **original sample**?

- A 10%
- B 20%
- C 60%
- D 80%



temperature of the water **increased**. The student should conclude that the **dissolving** of sodium hydroxide

- A is endothermic
- B is exothermic
- C produces an acid solution
- D produces a salt solution

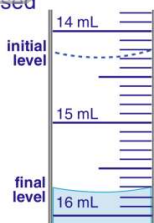


9

The diagram below represents a section of a **buret** containing acid used in an acid-base titration.

What is the **total volume of acid** that was used?

- A 1.10 mL
- B 1.30 mL
- C 1.40 mL
- D 1.45 mL



10

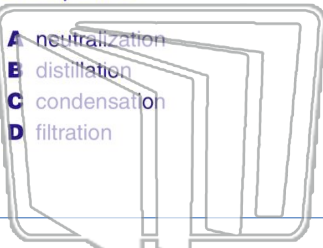
A student **investigated** the physical and chemical properties of a sample of an unknown gas then **identified** the gas. Which statement represents a **conclusion** rather than an experimental observation?

- A The gas is colorless.
- B The gas is carbon dioxide.
- C When the gas is bubbled into limewater, the liquid becomes cloudy.
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Name _____ Class _____ Date _____

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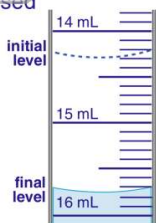
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