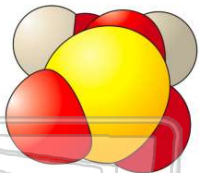




Name _____ Class _____ Date _____

1 How many milliliters of 0.600 M H_2SO_4 are required to **exactly neutralize** 100 milliliters of 0.300 M $\text{Ba}(\text{OH})_2$?

- A 25.0 mL
- B 50.0 mL
- C 100 mL
- D 200 mL



2 A student noted that the **temperature** of water **increased** as a result of **dissolving** a salt in it.

From this observation, the student should conclude that **dissolving** the salt

- A produced an acid solution
- B produced a basic solution
- C was endothermic
- D was exothermic

3 The measurement **0.41006 gram**, rounded to **three significant figures**, is expressed as

- A 0.41 g
- B 0.410 g
- C 0.4100 g
- D 0.4101 g

4 **Flame tests** are used to **identify**

- A metallic ions
- B nonmetallic ions
- C polar molecules
- D nonpolar molecules



PREVIEW

Please [Sign In](#) or [Sign Up](#) to download the printable version of this worksheet

7

- A base
- B acid
- C proton acceptor
- D electron donor

and litmus is blue.

- B Phenolphthalein is colorless and litmus is red.
- C Phenolphthalein is pink and litmus is blue.
- D Phenolphthalein is pink and litmus is red.



9 Which type of reaction will **produce water and a salt**?

- A saponification
- B fermentation
- C esterification
- D neutralization



10 Which procedure requires the use of an **external electric current** to force a **redox reaction** to occur?

- A polymerization
- B distillation
- C electrolysis
- D saponification

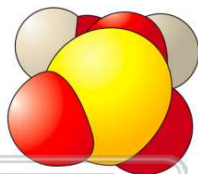




ANSWER KEY

How many milliliters of 0.600 M H_2SO_4 are required to **exactly neutralize** 100 milliliters of 0.300 M $\text{Ba}(\text{OH})_2$?

- A 25.0 mL
- B 50.0 mL
- C 100 mL
- D 200 mL



(b)

A student noted that the **temperature** of water **increased** as a result of **dissolving** a salt in it.

From this observation, the student should conclude that **dissolving** the salt

- A produced an acid solution
- B produced a basic solution
- C was endothermic
- D was exothermic

(d)

The measurement **0.41006 gram**, rounded to **three significant figures**, is expressed as

- A 0.41 g
- B 0.410 g
- C 0.4100 g
- D 0.4101 g

(b)

Flame tests are used to **identify**

- A metallic ions
- B nonmetallic ions
- C polar molecules
- D nonpolar molecules

(a)



PREVIEW

Please [Sign In](#) or [Sign Up](#) to download the printable version of this worksheet

- B acid
- C proton acceptor
- D electron donor

and litmus is red.

- C Phenolphthalein is pink and litmus is blue.
- D Phenolphthalein is pink and litmus is red.



Which type of reaction will **produce** water and a salt?

- A saponification
- B fermentation
- C esterification
- D neutralization



(d)

Which procedure requires the use of an **external electric current** to force a **redox reaction** to occur?

- A polymerization
- B distillation
- C electrolysis
- D saponification



(c)