



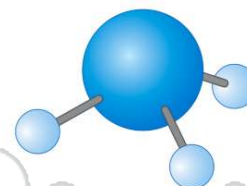
Name _____ Class _____ Date _____

1 What is the **total number of grams of NaI(s)** needed to make **1.0 liter** of a 0.010 M solution?

- A 0.015
- B 0.15
- C 1.5
- D 15

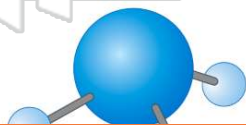
2 The percent by mass of **hydrogen** in **NH₃** is equal to

- A $\frac{17}{4} \times 100$
- B $\frac{17}{3} \times 100$
- C $\frac{1}{17} \times 100$
- D $\frac{3}{17} \times 100$



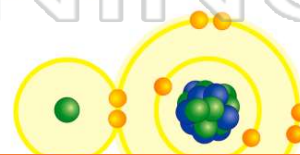
3 Which 5.0-milliliter sample of **NH₃** will **take the shape of and completely fill** a closed 100.0-milliliter container?

- A NH₃(s)
- B NH₃(l)
- C NH₃(g)



4 The **strongest forces of attraction** occur between molecules of

- A HCl
- B HF
- C HBr
- D HI



PREVIEW

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7 A
V
C
C
1

A $0.5/_{14.2} \times 100$
 B $14.7/_{14.2} \times 100$
 C $0.5/_{14.2} \times 100$
 D $14.2/_{14.7} \times 100$

- B 2×12.4 hours
- C 3×12.4 hours
- D 4×12.4 hours

9 Which mass measurement contains **four significant figures**?

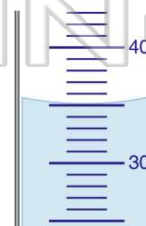
- A 0.086 g
- B 0.431 g
- C 1003 g
- D 3870 g



10 The diagram below represents a portion of a 100-milliliter graduated cylinder.

What is the reading of the **meniscus**?

- A 35.0 mL
- B 36.0 mL
- C 44.0 mL
- D 45.0 mL





ANSWER KEY

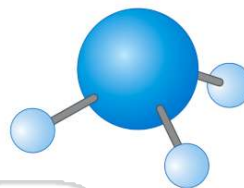
What is the **total number of grams of NaI(s)** needed to make **1.0 liter** of a 0.010 M solution?

- A 0.015
- B 0.15
- C 1.5
- D 15

(C)

The percent by mass of **hydrogen** in **NH₃** is equal to

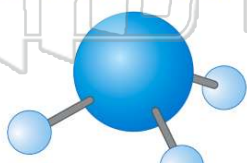
- A $\frac{17}{1} \times 100$
- B $\frac{17}{3} \times 100$
- C $\frac{1}{17} \times 100$
- D $\frac{3}{17} \times 100$



(d)

Which 5.0-milliliter sample of **NH₃** will **take the shape of and completely fill** a closed 100.0-milliliter container?

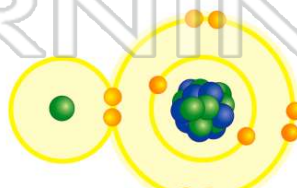
- A NH₃(s)
- B NH₃(l)
- C NH₃(g)
- D NH₃(aq)



(C)

The **strongest forces of attraction** occur between molecules of

- A HCl
- B HF
- C HBr
- D HI



(b)



PREVIEW

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- A $\frac{7}{14.2} \times 100$
- B $\frac{14.7}{14.2} \times 100$
- C $\frac{0.5}{14.2} \times 100$
- D $\frac{14.2}{14.7} \times 100$

- C 3×12.4 hours
- D 4×12.4 hours

Which mass measurement contains **four significant figures**?

- A 0.086 g
- B 0.431 g
- C 1003 g
- D 3870 g

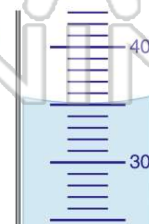


(C)

The diagram below represents a portion of a 100-milliliter graduated cylinder.

What is the reading of the **meniscus**?

- A 35.0 mL
- B 36.0 mL
- C 44.0 mL
- D 45.0 mL



(a)