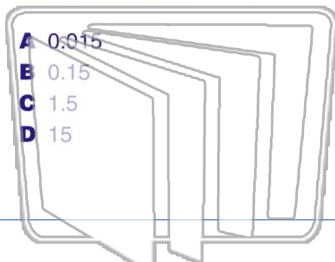




Name _____ Class _____ Date _____

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 $\frac{17}{17} \times 100$
- B $\frac{17}{14} \times 100$
- C $\frac{1}{17} \times 100$
- D $\frac{3}{17} \times 100$



NEWPATH LEARNING

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

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

A HCl



5



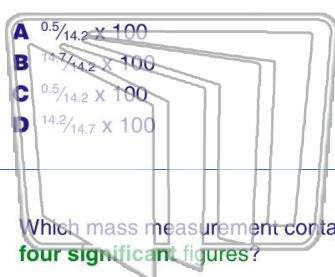
PREVIEW

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7

compound that contains water as part of its crystal structure. If the accepted value is **14.7%**, the **student's percent error** was

- A $\frac{0.5}{14.2} \times 100$
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2 grams of the original isotope?

- A 8×12.4 hours
- 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

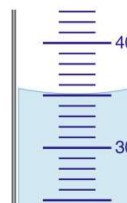


10

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

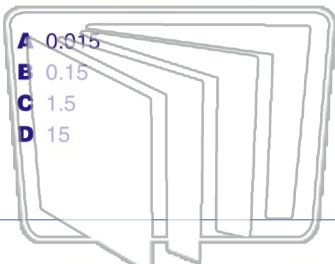




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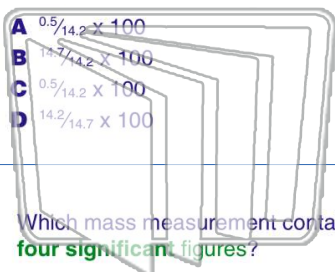
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