

Name Key Name NW = no work
 Sign _____ Print _____

BA = bad attempt NA = not attempted pink attempt

Please show work on all questions for full credit & partial credit. (20 total pts) "confidence booster"

1. 1000 milligrams = 1 gram. (3 pts)

upside down $\frac{1}{1000}$ = 1/2 pt

2. Significant Figures: (6 pts)

a. How many significant figures is in the following numbers? (3 pts)

809.1 4

b. Give the correct significant figure in the following calculation? Show work. (3 pts)

2.5 * 700.1 = 1750.25 2 sig fig 1800 (ambiguous) or 1.8×10^3
 s.f. - 1/2

3. Give the following number in scientific notation. (3 pts)

7989.023 $\times 10^3$ gave only -1

4. Convert the following. Show work. (8 pts)

from 782.3 pounds to centigrams (453.6 grams = 1 pound, 100 centigrams = 1 gram)

$$782.3 \text{ pound} \times \frac{453.6 \text{ g}}{1 \text{ pound}} \times \frac{100 \text{ centigram}}{1 \text{ g}} =$$

3 pt 2 pt 2 pt math - 1/2

35485128 → 4 sig. 3.549 $\times 10^7$ cg BA - 4
 1 pt. attempt - 2

Extra Credit Question Identify the following as (A) element (B) compound (C) heterogeneous mixture (D) homogenous mixture by filling the blank with one of the letters (3 pts)

sodium chloride (Na Cl) B sodium (Na) A coffee with sugar D

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BA = bad attempt

NA = not attempted

Please show work on all questions for **full credit & partial credit**. (20 total pts) "confidence booster"

1 kilograms = 1000 grams (3 pts)

upside down $\frac{1}{1000}$ - 1/2 pt

2. Significant Figures: (6 pts)

a. How many significant figures is in the following numbers? (3 pts)

8.0912 5

b. Give the correct significant figure in the following calculation? Show work. (3 pts)

1.001 + 256.1 = 257.1 (S.F. - 1/2)

3 Give the following number in scientific notation. (3 pts)

0.00002507 2.507 x 10⁻⁵ (Sign - 1/2) (gave only -1)

4. Convert the following. Show work. (8 pts)

from 782.3 meters to inches (2.54 cm = 1 inch, 100 cm = 1 meter)

782.3 meters x $\frac{100 \text{ cm}^{2pt}}{1 \text{ meter}}$ x $\frac{1 \text{ inch}^{2pt}}{2.54 \text{ cm}}$ = 30799.2126

4 S.F. 3 pt

30800 → 3.080 x 10⁴ inches

1 pt

math - 1/2 pt
attempt - 2

BA - 4

Extra Credit Question Identify the following as (A) element (B) compound (C) heterogeneous mixture (D) homogenous mixture by filling the blank with one of the letters (3 pts)

iron filings with sand C iron oxide (Fe₂O₃) B iron (Fe) A

Name key
 Sign _____

Name NW = no work
 Print NA = not attempted

Please **show work on all questions** for full credit & partial credit. (20 total pts) "confidence booster"

1. BA = bad attempt
100 centiliter = one Liter (3 pts)

upside down -1/2

pink

2. Significant Figures: (6 pts)

a. How many significant figures is in the following numbers? (3 pts)

7.38012 6

b. Give the correct significant figure in the following calculation? Show work. (3 pts)

32.991 - 2.1 = 31
Sig fig -1/2

32,991
 - 2.1

 30.891

3. Give the following number in scientific notation. (3 pts)

0.00065203 6.5203 x 10⁻⁴
sign -1/2

4. Convert the following. Show work. (8 pts)

decimal wrong -1/2

from 25.7 cups to liter (4 cups = 1 quart, 1 liter = 1.06 quart)

$$25.7 \text{ cups} \times \frac{1 \text{ quart}}{4 \text{ cups}} \times \frac{1 \text{ l}}{1.06 \text{ quart}} = 6.06 \text{ l}$$

3 pt *2 pt* *2 pt* *1 pt*

math -1/2 pt

attempt -2

BA -4

Extra Credit Question Identify the following as (A) element (B) compound (C) heterogeneous mixture (D) homogenous mixture by filling the blank with one of the letters (3 pts)

sweet tea D bromine (Br₂) A barium bromide (Ba Br) B

Physical Science (PSC 102) Fall 18 Dr. Hahn MWF 9 am Quiz I form A 8/27M Exam # _____

Name _____ Name _____

Sign _____ Print _____

Please **show work on all questions** for **full credit & partial credit**. (20 total pts) “confidence booster”

1. _____ milligrams = 1 gram. (3 pts)

2. Significant Figures: (6 pts)

a. How many significant figures is in the following numbers ? (3 pts)

809.1 _____

b. Give the correct significant figure in the following calculation ? Show work. (3 pts)

$2.5 * 700.1 =$ _____

3 Give the following number in scientific notation. (3 pts)

7989.023 _____

4. Convert the following. Show work. (8 pts)

from 782.3 pounds to centigrams (453.6 grams = 1 pound, 100 centigrams = 1 gram)

Extra Credit Question Identify the following as (A) element (B) compound (C) heterogeneous mixture (D) homogeneous mixture by filling the blank with one of the letters (3 pts)

sodium chloride (Na Cl) _____ sodium (Na) _____ coffee with sugar _____

Physical Science (PSC 102) Fall 18 Dr. Hahn MWF 9am Quiz I form B 8/27M Exam # _____
Name _____ Name _____
Sign _____ Print _____

Please **show work on all questions** for **full credit & partial credit**. (20 total pts) “confidence booster”

1 kilograms = _____ grams (3 pts)

2. Significant Figures: (6 pts)

a. How many significant figures is in the following numbers ? (3 pts)

8.0912 _____

b. Give the correct significant figure in the following calculation ? Show work. (3 pts)

$1.001 + 256.1 =$ _____

3 Give the following number in scientific notation. (3 pts)

0.00002507 _____

4. Convert the following. Show work. (8 pts)

from 782.3 meters to inches (2.54 cm = 1 inch, 100 cm = 1 meter)

Extra Credit Question Identify the following as (A) element (B) compound (C) heterogeneous mixture (D) homogenous mixture by filling the blank with one of the letters (3 pts)

iron filings with sand _____ iron oxide (Fe_2O_3) _____ iron (Fe) _____

Physical Science (PSC 102) Fall 18 Dr. Hahn MWF 11 am Quiz I form A 8/27M Exam # _____

Name _____ Name _____

Sign _____ Print _____

Please **show work on all questions** for **full credit & partial credit**. (20 total pts) "confidence booster"

1. _____ centiliter = one Liter (3 pts)

2. Significant Figures: (6 pts)

a. How many significant figures is in the following numbers? (3 pts)

7.38012 _____

b. Give the correct significant figure in the following calculation? Show work. (3 pts)

$32.991 - 2.1 =$ _____

3 Give the following number in scientific notation. (3 pts)

0.00065203 _____

4. Convert the following. Show work. (8 pts)

from 25.7 cups to liter (4 cups = 1 quart, 1 liter = 1.06 quart)

Extra Credit Question Identify the following as (A) element (B) compound (C) heterogeneous mixture (D) homogenous mixture by filling the blank with one of the letters (3 pts)

sweet tea _____ bromine (Br_2) _____ barium bromide (Ba Br) _____

Physical Science (PSC 102) Fall 18 Dr. Hahn MWF 11 am Quiz I form B 8/27M Exam # _____

Name _____ Name _____

Sign _____ Print _____

Please **show work on all questions** for **full credit & partial credit**. (20 total pts) "confidence booster"

1. _____ decimeter = one meter (3 pts)

2. Significant Figures: (6 pts)

a. How many significant figures is in the following numbers ? (3 pts)

10.9 _____

b. Give the correct significant figure in the following calculation ? Show work. (3 pts)

$32.991 \frac{0}{\cdot} - 2.1 =$ _____

3 Give the following number in scientific notation. (3 pts)

29877.01 _____

4. Convert the following. Show work. (8 pts)

from 25.7 inches to meters (2.54 cm = 1 inch, 100 cm = 1 meter)

Extra Credit Question Identify the following as (A) element (B) compound (C) heterogeneous mixture (D) homogenous mixture by filling the blank with one of the letters (3 pts)

nitrogen (N₂) _____ sodium nitride (Na₃N) _____ solid sugar and solid salt _____