| Quiz I General Chemistry I Lecture Fall 13 D | r. Hahn 20 pts 8/30 F 9:30 am Form | , |
|--|--|---------------|
| Name Kly | Name | green |
| (print name) | (sign name) | |
| Please show all work for full credit. "Confidence | e Booster" | |
| Which of the following is a compound? periodic table if you are unfamiliar with the symbol. | ools for the elements. (5 pts) | |
| H ₂ Na Cl S CÔ | Pt (1000) | ok. |
| What conversion factor can you write to c factors in the form of a numerator and denominat | for for both (a) & (b). (5 pts, 2.5 pts each | |
| $\begin{array}{cc} \text{(a)} & \frac{1000g}{156} \\ \text{(a)} & \frac{1}{1000} \\ \text{(b)} & \frac{1}{1000} \\ \text{(c)} & \frac{1}{1000} \\ \text{(d)} & $ | | |
| Kg | (b) 1000 g 1000 | |
| 3 If the number that comes out of your calculation account the significant figure and rounding units of the sig | ip rules. (Show work.) (4 pts) | · |
| 324.56 - 17.2 + 22.502 = 329.862 final number | er = // 1 | 4,56 |
| 329,8+roundup | to + 22 | 7,21 |
| 229.9 | 32 | 7.8/62 |
| 4 Convert the following using dimensional | July gerror | -17 |
| correct numerical answer but show no work, you | will lose all points. (6 pts) | attempt 4) |
| 92.5 milliliters to gallons (1 liter = 1.06 quart, 4 c | uarts = 1 gaillon | |
| Or a get life | (2pt) | (p) |
| 420 mex | 1.06 guart x | Salla = |
| (000 mc | 1 lite 49 | That Is |
| 0.0245 gallons or Extra Credit (4 pts) | 2.45 × 10-2 | (-1 mash) |
| Extra Credit (4 pts) | - I po | 13 +13 Off |
| Using the periodic table, for the element N gir | ve: atomic mass 14,01 atomic m | ımber |
| number of protons number of electro | | · |
| | | |

| Quiz I General Chemistry I Lecture Fall 13 Dr. | Hahn 20 pts 8/30 F 9:30 am Form B quiz # |
|---|---|
| Name Kly (print name) | Name(sign name) |
| | |
| Please show all work for full credit. "Confidence | Booster" |
| Which of the following is an elements? Catable if you are unfamiliar with the symbols for the | Circle all elements. You may want to look at the periodic elements. (5 pts) Wrote 1000m = 1 m |
| H ₂ Na Cl S CO Pt | 100cm=1m |
| What conversion factor can you write to confactors in the form of a numerator and denominator | nvert cm to m? Please write 2 possible conversion |
| factors in the form of a numerator and denominator | (1) both (a) & (b). (3 pis, 43 pis each) |
| (a) 100 Cm | (b) M |
| (a) 100 C M | (b) $\frac{m}{100 \text{ cm}}$ $\frac{15 \text{ pts, 25 pts each}}{100 \text{ m} = 10 \text{ m}}$ |
| 3 If the number that comes out of your calculation account the significant figure and rounding up | ator is the following, give the final correct number taking |
| (324.56 / 17.2) * 22.502 = 424.607507 final nu | mber = 425 |
| 1 / | 3 sig fig (rounding) |
| 5 sigfig 5 sig fig | error) |
| | nalysis. Show work. If you come up with the final |
| | not-3 (bud alleys-T |
| 13.7 feet to kilometers (1 inch = 2.54 cm, 12 inches | s = 1 toot |
| 13,5 St x 12 inde | 2540m /m 280 |
| 1 foot | 1 in/ch × 1000m × 1000m |
| = 4,11×10-3 km | (= ± math) |
| Extra Credit (4 pts) | Fig fig-no pts off) |
| Using the periodic table, for the element Cl give | e: atomic mass <u>15, 5</u> atomic number <u>17</u> |
| number of protons number of electrons | <u>- </u> |

| Quiz I General Chemistry I Lecture Fall 13 Dr. | Hahn 20 pts 8/30 F 10:30 am Form A q | uiz # |
|--|---|--------------|
| Name (print name) | Name(sign_name) | green |
| Please show all work for full credit. "Confidence | | |
| What conversion factor can you write to co conversion factors in the form of a numerator and conversion factors in the form of a numerator and conversion factors in the form of a numerator and conversion factors in the form of a numerator and conversion factors in the form of a numerator and conversion factors in the form of a numerator and conversion factors in the form of a numerator and conversion factors in the form of a numerator and conversion factors in the form of a numerator and conversion factors in the form of a numerator and conversion factors in the form of a numerator and conversion factors in the form of a numerator and conversion factors in the factor in the factors in th | envert mL to L ? Please write 2 possible denominator (a) & (b). (4 pts, 2 pts each) | le |
| (a) 1000 ml | (b) 1000 me 1000l= | tme 1 |
| 2 How many significant figures are in the following the fo | | |
| 0.0003 significant figures 12003 | significant figures | |
| 3 Convert the following number into scientifically placeholders) (4 pts) | ic notation. (assume the zeros are not signification) | cant but are |
| $\frac{35200}{2}$ $\frac{7.52 \times 10^{4}}{2}$ | 35200 Eat | Lengt |
| Wrong # -2) | Fromdi | gerror) |
| correct numerical answer but show no work, you w | st (4 had atter | |
| 4.75 kilograms to pounds (453.6 grams - 1 pound) | Toda action | |
| 4.115 kg × 1000g x - 4 | 93.66 = 10,5 1b (2p) | ronts) |
| | | |
| Extra Credit (4 pts) | | |
| Using the periodic table, for the element Ca | give: atomic mass 40 / atomic number | er <u>20</u> |
| number of protons 20 number of electrons | s <u>20</u> | |

| | Hahn 20 pts 8/30 F 10:30 am Form B quiz # |
|--|---|
| Name (print name) | Name |
| (print name) | Name(sign_name) |
| Please show all work for full credit. "Confidence E | Booster" |
| factors in the form of a numerator and denominator | |
| (a) <u>km</u> /000 m | (b) 1000m (no units -1) km (1000km = 1m) |
| 2 How many significant figures are in the follo | owing numbers ? (6 pts) |
| 2.34×10^{-2} $\frac{2}{2}$ significant figures 0.04 | 10 significant figures |
| 3. Convert the following scientific notation into | o a non scientific notation number. (4 pts) |
| 8.79×10^{-3} | 0.00879 gare 8,190-2) Unding error ~) |
| ro | unding para all |
| 4 I Anvert the following lights dimensional ans | alivere Show wate It was come in with the tings |
| correct numerical answer but show no work, you wi | Il lose all points. (6 pts) (bad attenst. 4) |
| 26.89 millimeter to miles (5280 feet 1 mile, 12 inc | |
| 26,89 mm × thex | 100 cm x 1 inch x 1 fact |
| × 1 mile 2 1,671 | ×10 miles |
| Trans Conditi (Aura) | pt) Math-2) (sig fig off) |
| Extra Credit (4 pts) | |
| Using the periodic table, for the element Ni give | atomic mass 1.69 atomic number 2.1 |
| number of protons 25 number of electrons | 2 |
| | |

| (print | name) Name (sign name) | |
|-------------|---|------|
| `• | e show all work for full credit. "Confidence Booster" | |
| i icasc | | |
| 1 period | Which of the following is a compound? Circle all compounds. You may want to look at the dic table if you are unfamiliar with the symbols for the elements. (5 pts) | |
| H_2 | Na Cl S CO Pt | |
| 2 factor | What conversion factor can you write to convert g to Kg? Please write 2 possible conversions in the form of a numerator and denominator for both (a) & (b). (5 pts, 2.5 pts each) | on |
| (a) | (b) | |
| | | |
| 3 into a | If the number that comes out of your calculator is the following, give the final correct number ta count the significant figure and rounding up rules. (Show work.) (4 pts) | king |
| 324.50 | 6 - 17.2 + 22.502 = 329.862 final number = | |
| | | |
| | | |
| | | |
| | | |
| 4 correc | Convert the following using dimensional analysis. Show work. If you come up with the final at numerical answer but show no work, you will lose all points. (6 pts) | |
| 92.5 n | milliliters to gallons (1 liter = 1.06 quart, 4 quarts = 1 gallon) | |
| | | |
| | | |
| | | |
| | | |
| Extra | Credit (4 pts) | |
| | the periodic table, for the element N give: atomic mass atomic number | |
| Sing | er of protons number of electrons | |
| 1 | or or protong number of electrons | |

| Quiz I General Chemistry I Lecture Fall 13 Dr. Hahn 20 pts 8/30 F 9:30 am Form B quiz # |
|--|
| |
| Name Name (sign name) |
| Please show all work for full credit. "Confidence Booster" |
| 1 Which of the following is an elements? Circle all elements. You may want to look at the periodic table if you are unfamiliar with the symbols for the elements. (5 pts) |
| H ₂ Na Cl S CO Pt |
| What conversion factor can you write to convert cm to m? Please write 2 possible conversion factors in the form of a numerator and denominator for both (a) & (b). (5 pts, 2.5 pts each) |
| (a) |
| If the number that comes out of your calculator is the following, give the final correct number taking into account the significant figure and rounding up rules. (Show work.) (4 pts) (324.56 / 17.2) * 22.502 = 424.607507 final number = |
| Convert the following using dimensional analysis. Show work. If you come up with the final correct numerical answer but show no work, you will lose all points. (6 pts) 13.7 feet to kilometers (1 inch = 2.54 cm, 12 inches = 1 foot) |
| |
| Extra Credit (4 pts) |
| Using the periodic table, for the element Cl give: atomic mass atomic number |
| number of protons number of electrons |

| Quiz I General Chemistry I Lecture Fall 13 Dr. Hahn 20 pts 8/30 F 10:30 am Form A quiz # 5 |
|---|
| Name |
| Name Name (print name) (sign name) |
| Please show all work for full credit. "Confidence Booster" |
| 1 What conversion factor can you write to convert mL to L? Please write 2 possible conversion factors in the form of a numerator and denominator (a) & (b). (4 pts, 2 pts each) |
| (a) |
| How many significant figures are in the following numbers? (6 pts, 3 pts each) |
| 0.0003 significant figures 12003 significant figures |
| Convert the following number into scientific notation. (assume the zeros are not significant but are only placeholders) (4 pts) 35200 |
| Convert the following using dimensional analysis. Show work. If you come up with the final correct numerical answer but show no work, you will lose all points. (6 pts) 4.75 kilograms to pounds (453.6 grams = 1 pound) |
| |
| |
| Extra Credit (4 pts) |
| Using the periodic table, for the element Ca give: atomic mass atomic number |
| number of protons number of electrons |

| Name | Name |
|---|--|
| (print name) | Name (sign name) |
| Please show all work for full credit. "C | Confidence Booster" |
| 1 What conversion factor can you factors in the form of a numerator and d | write to convert Km to m? Please write 2 possible conversion denominator by (a) & (b). (4 pts, 2 pts each) |
| (a) | (b) |
| 2 How many significant figures as | re in the following numbers? (6 pts) |
| 2.34 x 10 ⁻² significant figure | res 0.0410 significant figures |
| 3. Convert the following scientific 8.79×10^{-3} | c notation into a non scientific notation number. (4 pts) |
| 4 Convert the following using dir | mensional analysis. Show work. If you come up with the final |
| correct numerical answer but show no | work, you will lose all points. (6 pts) |
| 26.89 millimeter to miles (5280 feet = | 1 mile, 12 inches = 1 foot, 1 inch = 2.54 cm) |
| | |
| | |
| | |
| | |
| | |
| Extra Credit (4 pts) | |
| | ent Ni give: atomic mass atomic number |