**Feb 2020 Exam Info Sheet Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Feb. 7th, 2020 9:00 – 11: 00. 2hrs**

Total 17 questions. 10 MC & 7 LA

40% of C2 Term 2

Mock Feb- exam MC only on Jan 28th (01/02) / Jan 29st (03) ***Will count as a test mark IF it is to your advantage!***

A practice exam is posted on my web site with answers.

**List of topics covered in term 1 & 2: Not on exam!**

|  |  |  |  |
| --- | --- | --- | --- |
| Review | Atom | Atomic mass |  |
| *Indirectly used in questions.* |  | ~~Atomic #~~ |  |
|  | ~~# of protons, electrons, neutrons~~ |  |
| ~~Periodic table~~ | ~~Period vs family~~ |  |
| ~~Atomic model~~ |  |  |
| Writing formulas |  |  |
| Naming |  |  |
| Polyatomic ions |  |  |
| Lewis dot |  |  |
| Balancing equations |  |  |
|  |  |  |  |
| Stoichiometry | Mole |  |  |
| *Indirectly used in questions.* | Ratios in rxns |  |  |
| Calculations |  |  |
|  |  |  |  |
| Gases | Properties of gases | Motion |  |
| 3 MC |  | Kinetic theory for s & l |  |
|  | Common gases |  |
|  | P vs [ ], V, T in general how does pressure vary with changes in … |  |
|  | Kinetic theory for gases |  |
|  | KE = ½ mv2 |  |
|  | Graham’s Law  |  |
| 4 MC3 LA | Pressure | Conversions |  |
|  | Manometers |  |
| Gas laws | Boyles P1V1=P2V2 |  |
|  | Charles  |  |
|  | Gay-Lussac   |  |
|  | Avogadro   |  |
|  | STP vs SATP |  |
|  | General PV = nRT |  |
|  | Combined  |  |
| ­ | Dalton’s law of partial pressure   |  |
| Thermodynamics | Calorimeters | Q=mc∆T |  |
| 3 MC & 4 LA |  | ∆H = $\frac{Q}{n}$ |  |
|  | Q = - Q |  |
| Phase change diagram | Reading |  |
|  | Calculating c |  |
|  | Calculating enthalpy over a phase change |  |
| $∆H$ calculations | $$∆H\_{rxn}=∆H\_{f}\left(products\right)-∆H\_{f}(reactants)$$ |  |
|  | $∆H\_{rxn}=\left(bonds broken\right)-(bonds formed$**)** |  |
|  | Hess’s Law |  |