Assessment Task for Stage 6: Preliminary

Subject: Chemistry

THIS ASSESSMENT TASK CAN BE FOUND ON THE COLLEGE WEBSITE UNDER THE LEARNING AND TEACHING TAB

| Assessment Task No. | 1 | Date: | Thursday, 26/03/15 | Weighting | 25 % |

Submission Instructions

- This is an in-class task which will be completed during period 4 -5
- Penalty for non attendance
  - On the date of the assessment will immediately receive a 50% mark penalty of the achieved mark pending Illness/Misadventure certification.
  - On the day following the assessment will receive a zero mark pending Illness/Misadventure certification.

Outcomes being Assessed

- P10. applies simple stoichiometric relationships
- P11. identifies and implements improvements to investigation plans
- P12. discusses the validity and reliability of data gathered from first-hand investigations and secondary sources
- P13. identifies appropriate terminology and reporting styles to communicate information and understanding
- P14. draws valid conclusions from gathered data and information
- P15. implements strategies to work effectively as an individual or as a member of a team
1. **Description of the Task**

You are asked to:
- Individually conduct a gravimetric analysis to determine the percentage composition of an unknown mixture of salts.
- Complete associated calculations, write up practical report and answer questions from second hand data.
- Ensure that you take all precautions with regard to safety.
- Complete the above during class time.

2. **Classroom Learning:**

Students will be prepared to effectively complete this task through:

- Learning to conduct a gravimetric analysis procedures (covered in class)
- Learning about: Gravimetric analysis techniques, Gravimetric analysis calculations, Balancing equations,

**Calculate** Ascertain/determine from given facts, figures or information

**Describe** Provide characteristics and features

**Explain** Relate cause and effect; make the relationships between things evident; provide why and/or how

**Identify** Recognise and name

**Propose** Put forward (for example a point of view, idea, argument, suggestion) for consideration or action

**Subject Specific Terminology – The Chemical Earth**

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<th>Atmosphere</th>
<th>Electron configuration</th>
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<tr>
<td>Biosphere</td>
<td>Empirical formula</td>
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<tr>
<td>Covalent molecule</td>
<td>Hydrosphere</td>
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<td>Valence shell</td>
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<tr>
<td>Covalent network</td>
<td>Ion</td>
<td>Metallic bond</td>
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