

## Physical Science 20

### Preparing for the Chem Unit Interview

#### Outcomes for Physical Science 20 – Chemistry Unit

- Predict products of basic types of chemical reactions and evaluate their impact.
- Understand the mole as a unit for measuring the amount of substance.
- Use stoichiometry to determine amounts of substances in chemical reactions.

#### You'll need evidence of your ability to:

1. Work with significant figures and calculations involving significant figures
2. Name binary ionic compounds
3. Name binary covalent compounds
4. Name polyatomic ionic compounds
5. Calculate the:
  - a. Atomic mass of an element
  - b. Atomic mass of a compound
  - c. Mass of a compound given the number of moles
  - d. Moles of a compound given the mass
  - e. Number of atoms in a substance given mass or moles
6. Identify different types of chemical equations
7. Write balanced compounds
8. Write balanced equations
9. Predict the products of a reaction and write the balanced equation