**Chemistry Review**

\* Use your unit objective sheet as a reference. It lists all the areas we covered in the chemistry unit.

\* Use you vocabulary list to review some of the key words from this unit.

\* Look at all your experiments

**Here are some guiding questions/topics:**

1. Understand and explain controlled, responding and manipulated variables in a fair test
2. Understand and use the words solvent, solute and solution
3. Parts of an atom
4. Understand the difference between elements, molecules and compounds
5. Give different examples of mixtures (ie solid and solid – sugar and salt, solid and liquid, liquid and liquid etc).
6. Understand the difference between homogenous vs heterogeneous mixtures
7. Explain separation techniques (sieves, filtration, wind, etc. )
8. Explain how you can make a crystal
9. Understand the different states of mater and their characteristics (solid, liquid, gas) – how do the molecules move differently in each
10. Changes in states of matter (evaporation, condensation, freezing and melting). What happens to the molecules?
11. Special properties of water (water tension and cohesion)
12. How to use indicator strips to test for an acid, base or neutral
13. Understand and give examples of chemical and physical reactions (chemical reactions are irreversible and physical reactions can be reversible)