**Science 10 Review Activity for Chemistry 11**

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Instructions: For each box, find a person who knows the answer to the question. Write down the answer and their name. Try to get an answer from all members of the class!

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| What came first, the chicken or the egg? Personal answer | Name one homogeneous mixture?  | What does DNA stand for? Deoxyribonucleic acid  | How can you find the number of protons in the nucleus of an atom? Atomic mass-Atomic # | Which subatomic particles are involved in chemical bonds?Electron |
| How many electrons are in the first energy level of an atom? 2 | When a positive ion is formed are electrons gained or lost? Lost | What families of elements make up covalent compound?Non metalsHalogens | What is the formula for the covalent bond carbon dioxide?CO2  | What is the formula for hydrochloric acid?HCl |
| What is the metric base unit for volume? Litres (l) | What is the law of conservation of matter? Matter can neither be created nor destroyed | What type of chemical reaction always produces Carbon dioxide and water? Combustion reaction | How is energy transferred in metals? Conduction | Balance the chemical equation below:\_\_CH4+4Cl2->\_\_CCl4+ 4HCl<https://www.youtube.com/watch?app=desktop&v=tq8gV8otv7w> |