

Grade 9 Chemistry Review

1. What particles are found in the nucleus of the atom?
2. Draw a Bohr atomic model for each of the following elements.

(a) Oxygen

(b) Magnesium

3. What are the properties of a metal and a non-metal

metal	non-metal

4. Complete the following chart:

Formula of Molecule	Elements Present	Number of Atoms of Each Element	Total Number of Atoms in the Molecule
HNO ₃			
Fe ₂ (SO ₄) ₂			

5. Physical and chemical changes.

(a) What is the difference between a physical and a chemical change?

(b) Label each of the following as chemical or physical changes.

(i) Salt is dissolved in water. _____

(ii) Gasoline burns in the engine of a car. _____

(iii) Water boiling on the stove disappears. _____

6. List the elements of the halogen family.

7. List the elements of the noble gas family.