

1c

What is meant by mole?

Differentiate between shell and subshell.

Write electronic configuration of argon (Ar=18)

- Write the trend of shielding effect in period and group:

i] Define electronegativity.

ii] Why atomic number is a more fundamental property than atomic mass?

Write short answers to any Five (5) questions: ?-

Why do atoms react?

Define chemical bond.

?concentrated solution?

i] Define unsaturated solution.

iii] Give an example for ?Gas in Solid? solution.

Write short answers to any Five (5)-questions: 10

Write difference between spontaneous and non-spontaneous reactions.

Define non-electrolytes and give example.

Define corrosion.

What do you mean by galvanizing? Write its advantages.

Write two physical properties of metals.

i] What is the trend of electropositivity in group?

ii] Why platinum is used in jewellery making?

iii] Write reaction of fluorine with water. write complete

answer

als(a) | Calculate moles and number of molecules

as of water. -

rite only ny results of Rutherford's experiment and
two defects of Rutherford's atomic model.

What is an ionic bond? Discuss the formation of ionic
bond between sodium and chlorine atom.

Differentiate between crystalline and amorphous cells.

LAE} What is galvanic cell? Write four differences between
electrolytic and galvanic cell.

[@] Define solubility. Describe effect of temperature on
solubility.