Week 2 : Assignment 2

1. The ratio of the number of geometric and optical isomers for the complex [Co(en)₂Cl₂]⁺ is

2. Isomer A is the expected isomer in the presence of an external field.

3. In part of the following 15 is in the highest resolution value?

4. Which of the following isomers is the most stable?

5. What is the relation between terahertz splitting energy (E₂) and ultraviolet splitting energy (E₁)?

6. The correct order for the wavelength of absorption in the visible region is

7. Among the following which one is paramagnetic?

8. Complete the reaction role as a guide and determine the value of δ in the following complex.

9. What will be the electronic configuration for the complex [Fe(CN)₅(H₂O)]²⁻?

10. The electronic configuration of [CuCl₂]⁻ and [Cu(OH)₂]²⁻ are respectively

11. Which one of the following coordination complexes does not show geometrical isomerism? (A and B are monodentate ligands)

12. What is the limitation of the Körner diagram?

DUE ON 09.13.2023, 11:59 PM