If a new Halogen were discovered with the name sapline and the symbol Sa, how would the given acids of sapline be named?

HSa: Acid HSaO: Acid HSaO2: Acid HSao3: Acid HSO: Acid

Answer

For HSa, Hyposaplous Acid for HSaO, Saplous Acid for HSaO2, Saplic Acid for HSaO3, and Persaplic Acid for HSaO4, the proper responses would be Hydrosaplic Acid. These are the proper names for the sapline acids.

Step 2: Explanation

Since the acid with the HCL formula is known as hydrocloric acid, its name would change to hydrosaplic acid if chlorine were substituted for it.

Since the acid with the HCLO formula is known as hypo cloric acid, its name would change to hyposaplous acid if chlorine were to be substituted for saplin.

Since the acid with the formula HCLO2 is known as chlorous acid, its name would change to saplous acid if chlorine were substituted for it.

Since the acid with the formula HCLO3 is called cloric acid, changing the chlorine to saplin will change the name to saplic acid.

Perchloric acid is the name of the acid that contains the formula HCLO4, therefore if we substitute saplin for the chlorine, the name will change to persaplic acid.