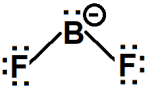
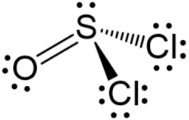
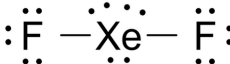
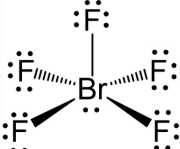


Questão 3 - Gabarito

Com relação às moléculas abaixo determine: (i) a estrutura de Lewis; (ii) a geometria molecular; e (iii) a hibridização do átomo central. Dados: [B] = [He]2s²2p¹; [O] = [He]2s²2p⁴; [F] = [He]2s²2p⁵; [S] = [Ne]3s²3p⁴; [Cl] = [Ne]3s²3p⁵; [Br] = [Ar] 3d¹⁰4s²4p⁵; e [Xe] = [Kr]4d¹⁰5s²5p⁶.

Molécula	Estrutura de Lewis	Geometria Molecular	Hibridização do Átomo Central
BF₂⁻		angular	sp ²
SOCl₂		pirâmide trigonal	sp ³
XeF₂		linear	sp ³ d
BrF₅		pirâmide quadrada	sp ³ d ²