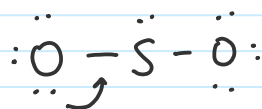


S02

$$6 + 2(6) = 18$$

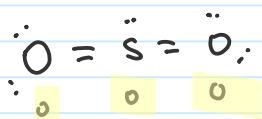
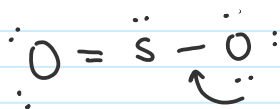
a neutral gas



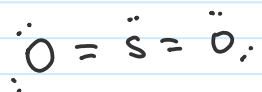
$$18 - 2(2) = 14$$

$$14 - 2(6) = 2$$

$$2 - 2 = 0$$



$$\text{FC}_s = 6 - 4 - 2 = 0$$



The electron count is different for SO₂(g) than it is for SO₂[²⁻] the oxyanion, do not confuse. SO₂(g) is neutral.

SO₂[²⁻] may not exist. We know of Sulfoxylic acid H₂SO₂ but it is very unstable.