

## Answer on Question #49332, Chemistry, Organic Chemistry

**Question:** Assign oxidation states to each atom in each of the following species.

Part B

Fe<sup>2+</sup>

Express your answer as a signed integer.

the oxidation state of Fe =

Part C

CuCl<sub>2</sub>

Express your answer as signed integers separated by a comma

the oxidation states of Cu, Cl =

Part D

CO

Express your answer as signed integers separated by a comma.

The oxidation states of C, O =

Part E

Cr<sub>2</sub>O<sub>7</sub><sup>2-</sup>

Express your answer as signed integers separated by a comma.

The oxidation states of Cr, O =

Part F

HCO<sub>3</sub><sup>-</sup>

Express your answer as signed integers separated by commas.

the oxidation states of H, C, O =

Answer:

1. Fe<sup>2+</sup> = +2
2. Cu, Cl<sub>2</sub> = +2, -1
3. C, O = +2, -2
4. Cr, O = +6, -2
5. H, C, O = +1, +4, -2