An oxonium ion is a species containing an oxygen atom that has an octet of valence electrons, but bears a formal charge of +1. E.g.,

```
H
H

H
H

O
```

Some oxonium ions are resonance stabilized, in which case not all resonance forms of the species fit the above definition, e.g.:

```
\[ \text{resonance forms} \]
```

Alternatively, the above species is a hybrid of an oxonium ion and a carbocation.

Contributors

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