

# Lab 16

## Atom Model

**Match this Lab with Physical Science Topic 14**

# Form small team of two or three students

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## Create a water molecule

- Make one Oxygen atom
- Make two Hydrogen atoms

Examine how the atoms would join together to make water

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## Create a lithium fluoride ionic compound

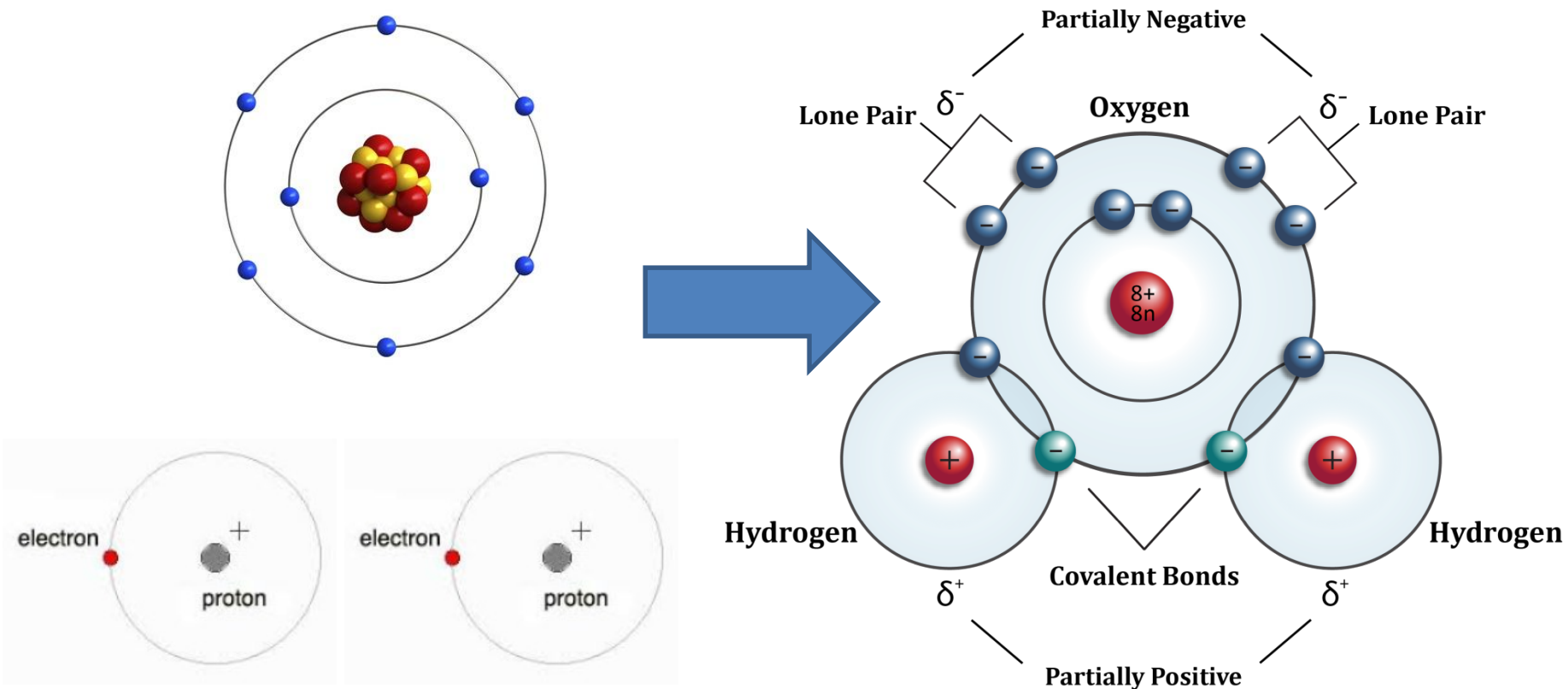
- Make one Oxygen atom
- Make two Hydrogen atoms

Examine how the atoms would join together

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Discuss the resulting colorless and odorless polar covalent bond formed in this common molecule.

[Lithium Fluoride](#) (LiF). Create a single Lithium and Fluorine atom. Discuss the resulting colorless and odorless ionic bond of these two atoms.



## References

Wiring Diagram (September 2012) Atomic diagram of hydrogen. Retrieved from <http://techno.3.adminlose.de>

PBS Learning Media (September 2012) Atomic structure of oxygen. Retrieved from <https://oeta.pbslearningmedia.org>

Essence of Water (September 2012) Structure of Water. Retrieved from <http://essenceofwater.org>.