

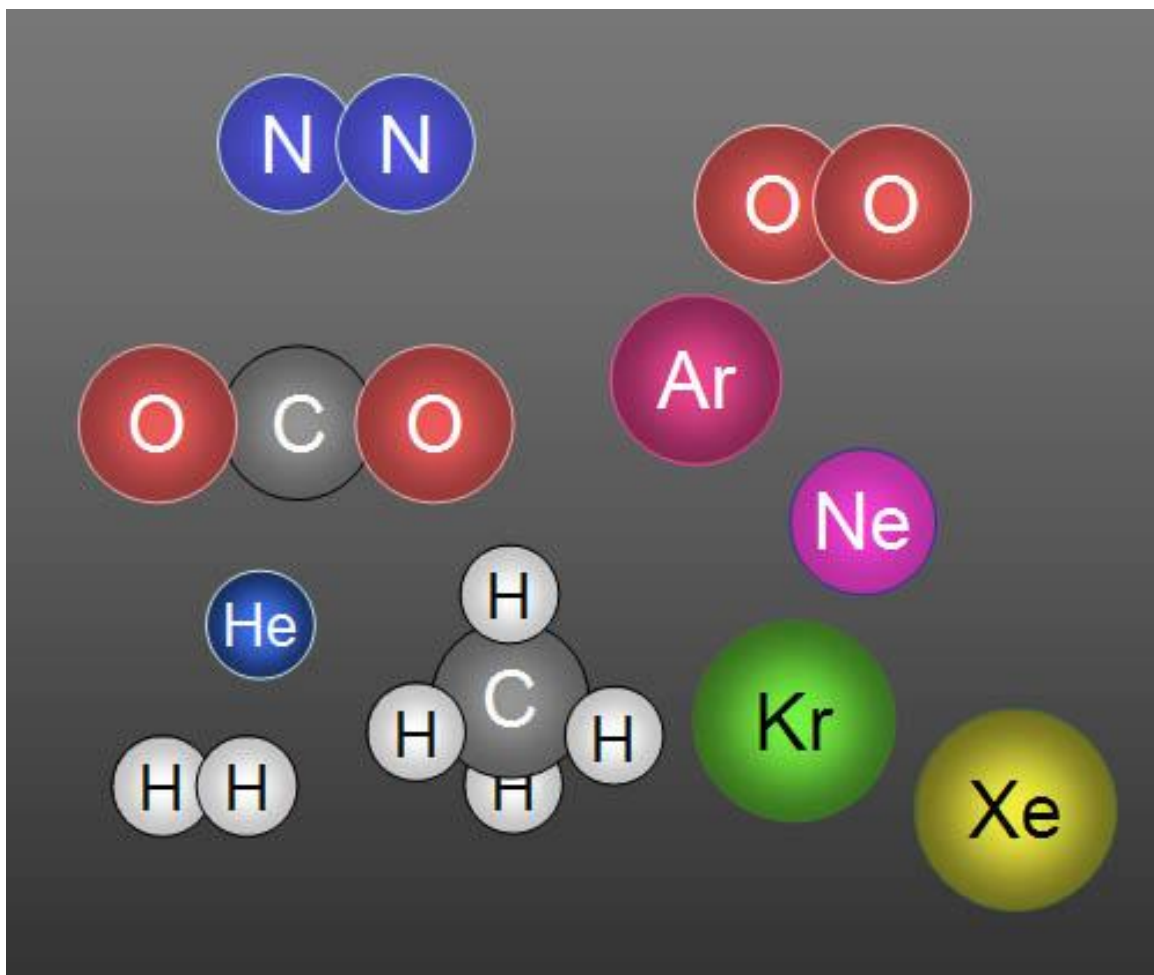
For this project you will make models of all the molecules that make up air. The molecules will be made with clay, plaster, air-drying porcelain, or any other medium of your choice as long as it dries hard.

Materials you will need:

- ☐ Some type of modeling clay. You may buy it or you may make it yourself. For homemade recipes you can look at <https://www.pinterest.com/gallowaygal1/crafts-diy-clay-recipes/>
- ☐ Paint, if your clay is not colored.
- ☐ Measuring devices like graduated cylinders, measuring cups, and measuring spoons, OR a scale.
- ☐ A mounting board.

Molecule Sizes

Here's a diagram showing how big each molecule should be compared to the others, and what colors should be used for each gas.



More on next page.

Colors

In case it wasn't clear from the picture, when building your models, use these colors for the elements that make up the gases.

Element	Gases It's Found In	Color For Atoms
Nitrogen	Nitrogen Gas	Blue
Oxygen	Oxygen Gas, Carbon Dioxide, Water	Red
Argon	Argon	Dark Pink
Carbon	Carbon Dioxide, Methane	Black (So CO ₂ will be red-black-red, and CH ₄ will be a black center with 4 white hydrogens on it)
Neon	Neon	Hot Pink
Helium	Helium	Light Blue
Krypton	Krypton	Green
Hydrogen	Hydrogen Gas, Water	White
Xenon	Xenon	Yellow