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| **Gas** | **% by Volume** | **Why important / role in atmosphere** |
| **Nitrogen** | 78 | Plants and animals need to repair bodies, grow, and obtain proteins. |
| **Oxygen** | 21 | Plants and animals use to release energy from food in a usable form, combustion. Produces ozone. |
| **Carbon Dioxide** | .036 | Plants use for food, waste for animals. Burning fuels releases CO2 into atmosphere. |
| **Water Vapor** | 0-5 Depends on time and place | Forms clouds, rain, and snow. |
| **Other Gases** | 1 | Usually non-reactive. Used to make advertising signs and light blubs. |
| **Particles (not a gas)** | Varies Depends on time and place | Particles can be harmful, has both natural and human sources. |

**Group Gas Activity Answers**