

3. A barometer measures?

Air pressure

4. Match the gas with the correct characteristic:

D Heavy (44 amu)

C Makes things burn

E Absorbs UV rays

B Lightest element

A Most abundant

~~A~~ Nitrogen

~~B~~ Hydrogen

~~C~~ Oxygen

~~D~~ Carbon Dioxide

~~E~~ Ozone

5. How heavy is water in atomic mass units?

18 amu show math here -

6. How heavy is air mostly?

28 amu show math here -

(hint - use the periodic table)

<u>Water</u>	
hydrogen ₂ = 1 + 1 = 2	
oxygen = 16	2 + 16 = 18
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<u>Air</u>	
Nitrogen ₂ = 14 + 14	
	28

7. Why are the particles on the edge of the exosphere so hot?

They are really close together. Particles from the sun are shooting out, rubbing against particles in the exosphere. (Solar Winds)

8. Why is the mesosphere so cold?

Far away from sun, ozone layer, stratosphere. Less air pressure. Particles are farther away from each other.