



Across

- 2. heat trapping gases such as carbon dioxide, water vapor, and methane (2 words)
- 3. a gradual increase in the temperature of planet Earth
- 5. the ability of molecules or atoms to transmit their motion energy to other particles
- 7. sinking, cold air
- 9. layer between Mesosphere and Thermosphere that makes auroras (northern lights)
- 10. pollutants that form when chemicals react with other chemicals
- 11. (changing) lowest, densest, heaviest, layer where all the weather, clouds, water vapor, and life forms exist.
- 13. a band of high or low pressure found every 30 degrees latitude
- 15. transfer of energy by molecules relocating (heat rises, cold sinks)
- 17. a mixture of gases that surrounds Earth
- 20. (layer) Second atmosphere layer where gases don't mix but stay layered instead. Contains ozone layer.
- 21. moving air caused by pressure differences.
- 23. how fast molecules or atoms are moving
- 24. rising, warm air
- 25. transfer of energy by contact
- 26. Temperature is 1000 degrees C, but doesn't feel hot. Molecules VERY spread apart
- 27. the force air molecules put on any surface (up, down, sideways)

Down

- 1. pollutants that are put directly into the air by human or natural activity
- 4. The build-up of heat in the lower atmosphere because certain gases trap heat energy that would normally escape Earth
- 6. rain or snow that contains acids from air pollution
- 8. the curving of the path of winds and ocean currents due to earth's rotation
- 12. narrow belt of high speed wind in upper troposphere
- 14. rapid change in a body of water's acidity
- 16. pollution caused when sunlight reacts with ozone and vehicle exhaust
- 18. device that removes pollutants before they are released from smoke stacks
- 19. transfer of energy by electromagnetic waves. (Nothing touching, no molecules moving)
- 22. (middle) The coldest layer. Place where meteors are burned up