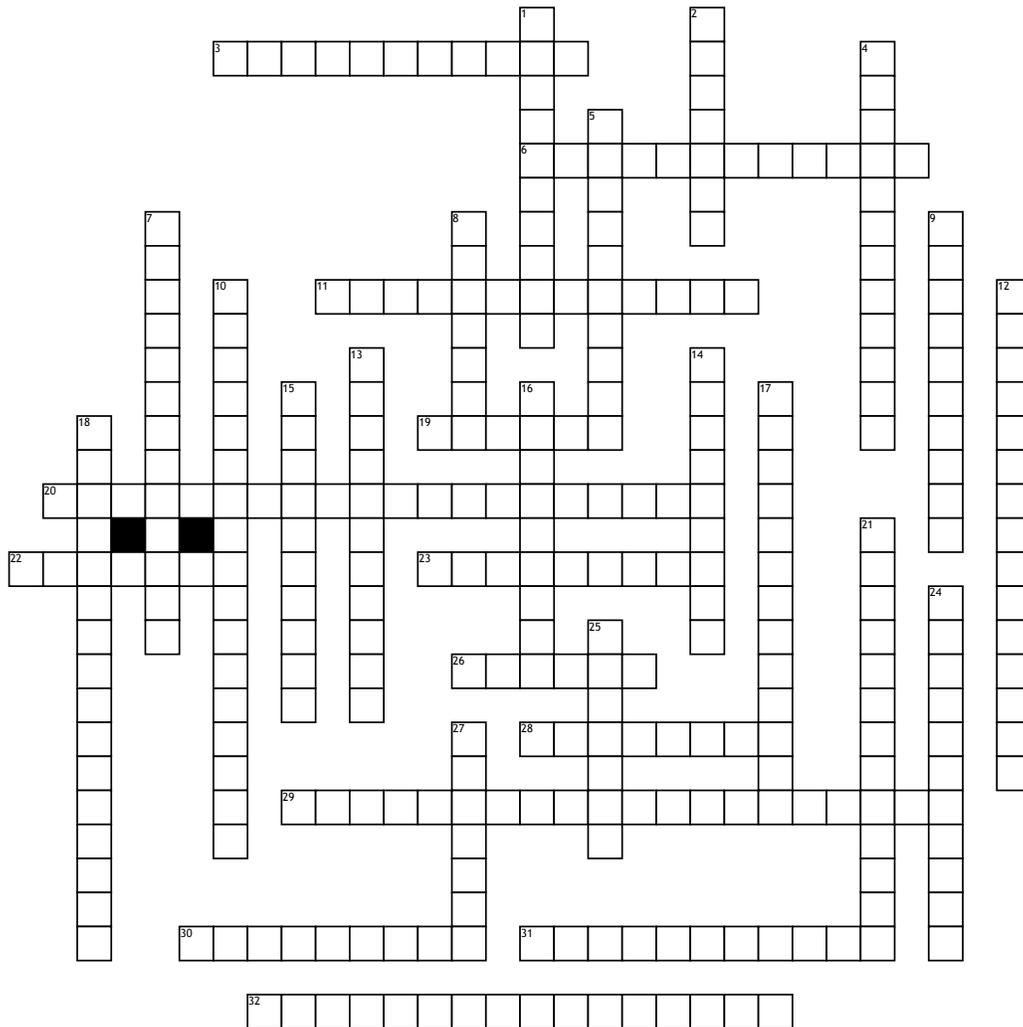


Climate vocab crossword



Across

- 3. Greenhouse gasses that are not naturally in the atmosphere and are enhancing the greenhouse effect
- 6. The second-lowest layer of Earth's atmosphere, contains ozone and the temperature gets warmer as you get higher
- 11. Low viscosity of magma
- 19. ice formed by the freezing of the surface of the sea and because water expands when it freezes it does not add to sea level rise when it melts.
- 20. Causes a system to change in the opposite direction from which it is moving, making the environment more positive in the end
- 22. Add to the sea level rise because it is adding more volume to the ocean, it will also add more fresh water throwing off the balance in salinity and ocean currents.
- 23. The outer layer of the thermosphere, extending outward into space.
- 26. The second most abundant gas in the atmosphere at 21%
- 28. Most abundant gas in the atmosphere at 78%
- 29. Causes a system to change further in the same direction, making the environment more negative in the end.

- 30. Consists of all life on Earth and all parts of the Earth in which life exists, including land, water, and the atmosphere.
- 31. The lowest layer of Earth's atmosphere where our weather occurs, gets colder as you get higher
- 32. Gasses such as carbon dioxide, methane and water vapor that trap heat in the Earth's atmosphere and affect Earth's climate.

Down

- 1. 3rd layer of the atmosphere and the coldest layer because the molecules are spread far apart.
- 2. a drill core of ice that can help tell the climates of the past
- 4. The uppermost layer of the atmosphere, in which temperature increases as altitude increases because of the closeness to the sun
- 5. Frozen water on earth including glaciers and ice caps
- 7. increase in the concentration of acid due to the extra CO2 in the oceans
- 8. natural greenhouse gas that is being enhanced in our atmosphere by decomposition and farm animals
- 9. A thin layer of gases surrounding Earth
- 10. High viscosity of magma

- 12. a dense, destructive mass of very hot ash, lava fragments, and gases ejected explosively from a volcano and typically flowing downslope at great speed.
- 13. The shifts of the climate in different areas on Earth due to climate change.
- 14. the solid part of the earth consisting of the crust and outer mantle
- 15. only a trace amount in our atmosphere
- 16. A liquid's resistance to flowing from a volcano
- 17. derived from human activities
- 18. warming that results when solar radiation is trapped by the atmosphere
- 21. natural greenhouse gas that is being enhanced in our atmosphere by the burning of fossil fuels
- 24. All the water at and near the surface of the earth, 97% of which is in oceans and covers 70% of the surface of the Earth
- 25. the state of the atmosphere at a place and time as regards heat, dryness, sunshine, wind, rain, etc.
- 27. Overall weather in an area over a long period of time

Word Bank

- | | | | | |
|--------------------|-------------------|------------------------|---------------|-------------------|
| Pyroclastic flow | Mesosphere | Oxygen | climate | Carbon Dioxide |
| Explosive eruption | flourinated | Land Ice | Biosphere | weather |
| Ice core | water vapor | Stratosphere | Anthropogenic | Viscosity |
| Geosphere | Methane | Positive feedback loop | Biome shifts | Quiet eruption |
| atmosphere | Cryosphere | negative feedback loop | Nitrogen | Sea Ice |
| Acidification | Exosphere | Hydrosphere | Thermosphere | greenhouse effect |
| Troposphere | Greenhouse gasses | | | |