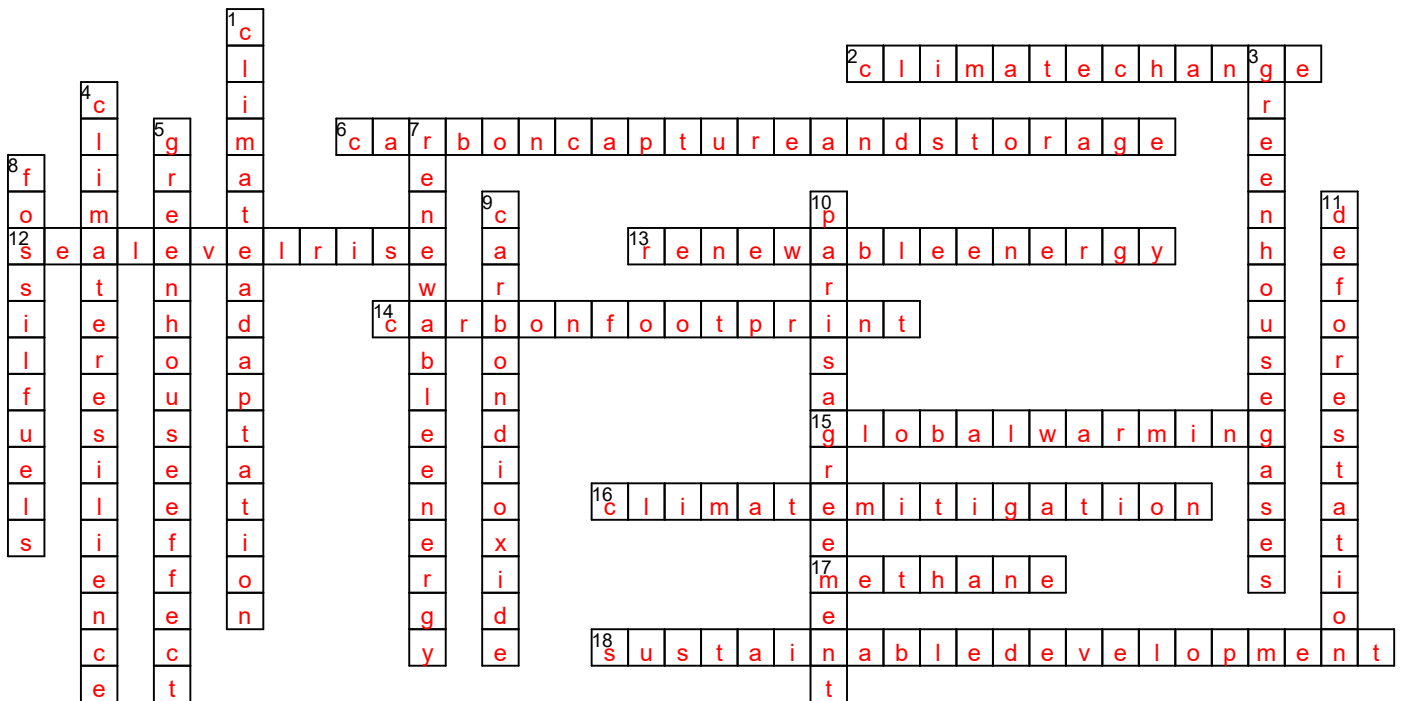


# Climate Change Crossword Puzzle

1. Using the Across and Down clues, write the correct answer in the numbered grid below.



## ACROSS

2. Long-term alteration in Earth's climate patterns, including temperature, precipitation, and weather events.
6. Technology that captures carbon dioxide emissions from power plants and other industrial sources, preventing them from entering the atmosphere.
12. Increase in the average global sea level due to melting ice caps and glaciers and thermal expansion of seawater.
13. Energy derived from natural resources that are replenished on a human timescale, such as solar, wind, and hydroelectric power.
14. Total amount of greenhouse gases emitted directly or indirectly by an individual, organization, or product.
15. Increase in Earth's average surface temperature due to the greenhouse effect and human activities.
16. Efforts to reduce or prevent the emission of greenhouse gases and limit the extent of climate change.
17. Greenhouse gas produced by livestock, landfills, and natural sources like wetlands.
18. Development that meets the needs of the present without compromising the ability of future generations to meet their own needs, considering environmental, economic, and social factors.

## DOWN

1. Adjustment or preparation of societies and ecosystems to withstand the impacts of climate change.
3. Gases in the atmosphere that contribute to the greenhouse effect, such as carbon dioxide (CO<sub>2</sub>), methane (CH<sub>4</sub>), and water vapor.
4. Ability of individuals, communities, and ecosystems to adapt to and recover from the impacts of climate change.
5. Natural process where certain gases in Earth's atmosphere trap heat, warming the planet.
7. Energy derived from natural resources that are replenished on a human timescale, such as solar, wind, and hydroelectric power.
8. Non-renewable energy sources, such as coal, oil, and natural gas, formed from decayed organic matter.
9. Major greenhouse gas released primarily by burning fossil fuels and deforestation.
10. International treaty aiming to limit global warming to well below 2 degrees Celsius above pre-industrial levels and pursue efforts to limit it to 1.5 degrees Celsius.
11. Removal of forests or trees, reducing the amount of carbon dioxide absorbed from the atmosphere.

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climate mitigation  
carbon capture and storage  
carbon footprint  
Paris Agreement  
greenhouse effect  
sea level rise  
fossil fuels  
renewable energy  
global warming

greenhouse gases  
climate adaptation  
deforestation  
sustainable development  
renewable energy  
carbon dioxide  
climate resilience  
methane  
climate change