

Name _____

Rising Tides: The Impact of Climate Change on Sea Levels

Short Answer Key

1. The melting of polar ice caps contributes to rising sea levels by adding more water to the oceans.
2. Rising temperatures cause seawater to expand, leading to thermal expansion and an increase in sea levels.
3. Rising sea levels exacerbate coastal erosion by allowing higher tides and storm surges to penetrate further inland, causing damage to infrastructure and communities.
4. Seawater intrusion into freshwater sources leads to salinization of soils and groundwater, impacting agriculture and drinking water supplies in coastal regions.
5. Rising sea levels can lead to the displacement of coastal communities as their homes and livelihoods are threatened by encroaching waters.

