

Chasing Ice Questions Answer Key

"Chasing Ice" Questions

Name _____
Per _____ Date _____

1. When James Balog began his investigation of glaciers, the Solheim Glacier in Iceland was receding _____ feet a year.
2. Balog first started his photo recording of the glaciers by taking pictures in the months of _____ and _____ in order to observe the changes over summer.
3. EIS stands for _____.
4. Balog's goal was to use _____ cameras over _____ years to record
5. In addition to Balog, what type of people (their positions) were included in the EIS team: _____ and _____
6. When glaciers break off icebergs into the ocean, it is called _____.
7. How many cameras were installed in different locations:
Greenland _____
Iceland _____
Alaska _____
Montana _____
8. Past temperature and _____ levels mirror each other over time; however, today, CO₂ levels are increasing exponentially. Today, CO₂ levels are at _____ parts per million and increasing.
9. Mass extinction means that we lose _____ to _____ of our planet's species.
10. If no pollinators (like bees) are in a habitat, what do people have to do? _____
Where are they already having to pollinate this way? _____
11. Fire season in the American southwest is increased by _____ months per year compared to the 1980s.
12. How is increasing greenhouse gases like using performance-enhancing steroids? _____

13. Glaciers retreat, but they also _____. This causes tremendous vertical change. The top of the "high ice" is called the _____.
14. As shown on the Greenland ice sheet, the _____ is where the edge of the glacier is melting. The melted water flows from here out to the sea.
15. _____ is the powdery windblown dust mixed with flakes of carbon from burned coal (soot) and algae. The accumulation of this substance causes melting at a faster rate because it absorbs more energy from the sun (due to its dark color).
16. Moulins (pronounced mu-lans) are _____.

Chasing Ice questions answer key is a crucial resource for educators and students engaging with the documentary film "Chasing Ice," which chronicles the efforts of photographer James Balog and his team to document climate change through time-lapse photography of melting glaciers. This article aims to provide an informative overview of the film, its significance, and a comprehensive answer key to common questions that arise from viewing it.

Overview of "Chasing Ice"

"Chasing Ice" was released in 2012 and directed by Jeff Orlowski. The film follows Balog's project, the Extreme Ice Survey (EIS), which uses innovative time-lapse cameras to capture the rapid melting of glaciers in various regions, including Greenland, Iceland, and Alaska. The stunning visuals serve

as a stark reminder of the impacts of climate change, making the film both an artistic and scientific endeavor.

Key Themes in "Chasing Ice"

The documentary encapsulates several critical themes:

1. **Climate Change Evidence:** The film provides visual evidence of climate change through the rapid retreat of glaciers.
2. **Human Impact:** It emphasizes how human activity contributes to global warming and its effects on the environment.
3. **Scientific Documentation:** Balog's work highlights the importance of documenting climate change through scientific methods.
4. **Emotional Engagement:** The film aims to evoke an emotional response, encouraging viewers to connect personally with the issue of climate change.

Common Questions About "Chasing Ice"

As viewers engage with the documentary, several questions often arise. Below is a compilation of these questions along with their answers.

1. What motivated James Balog to take on the Extreme Ice Survey project?

James Balog was motivated by a desire to provide undeniable visual evidence of climate change. As a photographer, he wanted to translate complex scientific data into images that could resonate with the public. He believed that photography could bridge the gap between science and the emotions of everyday people, making the issue more relatable.

2. How did the Extreme Ice Survey work?

The Extreme Ice Survey involved the installation of time-lapse cameras at various glacier sites. These cameras took photographs at regular intervals, capturing the changes in the glaciers over time. The collected images were later compiled to create a time-lapse video showing the dramatic retreat of ice.

3. What significant findings were presented in the film?

The film presented several significant findings, including:

- **Rapid Glacier Retreat:** Many glaciers were observed retreating at unprecedented rates, particularly in Greenland and Alaska.
- **Increasing Ice Loss:** The data indicated that the rate of ice loss was accelerating, contributing to rising sea levels.
- **Climate Indicators:** The melting glaciers serve as indicators of broader

climate changes, affecting ecosystems and human populations.

4. What role does emotion play in the documentary?

Emotion plays a critical role in "Chasing Ice." The filmmakers aimed to evoke a sense of urgency and concern about climate change. By showcasing not just the scientific facts but also the personal stories and struggles of Balog and his team, the film encourages viewers to feel a personal connection to the environmental crisis.

5. How does "Chasing Ice" compare to other climate documentaries?

"Chasing Ice" distinguishes itself from other climate documentaries through its artistic approach and focus on visual storytelling. While many documentaries rely heavily on statistics and expert interviews, "Chasing Ice" emphasizes the power of imagery to convey the urgency of climate change. The film's breathtaking visuals and innovative time-lapse technology set it apart in the genre.

Educational Impact of "Chasing Ice"

The film has been widely used in educational settings to teach about climate change, environmental science, and photography. Here are some ways it has impacted education:

1. Classroom Discussions

Teachers can use the film to spark discussions on various topics, including:

- The science of climate change
- The role of photography in science and advocacy
- The importance of environmental stewardship

2. Multimedia Learning

"Chasing Ice" serves as a multimedia resource, combining visual art and scientific data. This approach caters to different learning styles and can enhance understanding and retention of complex concepts.

3. Community Engagement

Screenings of "Chasing Ice" can be organized in local communities to raise awareness about climate change. These events often include discussions with environmental experts and activists, fostering community engagement and action.

Chasing Ice Questions Answer Key

Below is a concise answer key for commonly asked questions about "Chasing Ice":

1. **What motivates James Balog?** To provide visual evidence of climate change.
2. **How does the Extreme Ice Survey operate?** Through time-lapse cameras capturing glacier changes over time.
3. **What findings are highlighted in the film?**
 - Rapid glacier retreat.
 - Accelerating ice loss contributing to sea level rise.
 - Glaciers as climate change indicators.
4. **What is the role of emotion in the documentary?** To evoke urgency and a personal connection to climate change.
5. **How does it compare to other documentaries?** It emphasizes visual storytelling over statistics.

Conclusion

"Chasing Ice" serves as a powerful tool for raising awareness about the impacts of climate change. By combining stunning visuals with a compelling narrative, it successfully engages viewers emotionally and intellectually. The questions and answers outlined in this article should serve as a helpful resource for those looking to deepen their understanding of the film and its significance in the discourse on climate change. Through education and emotional engagement, "Chasing Ice" continues to inspire action and awareness regarding one of the most critical issues of our time.

Frequently Asked Questions

What is the primary focus of the documentary 'Chasing Ice'?

The primary focus of 'Chasing Ice' is to document the melting of glaciers due to climate change, showcasing the work of photographer James Balog and his team as they capture time-lapse images of glaciers over several years.

How does 'Chasing Ice' visually represent climate change?

'Chasing Ice' uses time-lapse photography to visually represent climate change by showing the dramatic retreat of glaciers over time, making the abstract concept of climate change more tangible and impactful.

What technology did James Balog use to capture the glacier images?

James Balog used specialized time-lapse cameras designed to withstand harsh weather conditions, which were deployed in various locations to capture the glaciers' movement and changes over several years.

What message does 'Chasing Ice' convey about the urgency of climate change?

'Chasing Ice' conveys a powerful message about the urgency of climate change by illustrating the rapid changes occurring in the environment and emphasizing the need for immediate action to address the crisis.

What impact did 'Chasing Ice' have on public awareness of climate issues?

'Chasing Ice' significantly raised public awareness of climate issues by providing a visual testament to the effects of global warming and inspiring discussions about environmental conservation and climate action.

What awards or recognition did 'Chasing Ice' receive?

'Chasing Ice' received several awards, including the Audience Award at the Sundance Film Festival and was nominated for an Academy Award for Best Original Song, highlighting its impact in both the documentary and environmental advocacy categories.

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