



Article Guide: The Dirt on Permafrost Melting

Part 1:

- Read through the article **as a class**.
- Box vocabulary words or words that you have not seen before as you follow along.

Key Vocab

Permafrost	
Ecosystem	
Erosion	
Sediment	
Thaw	
Carbon sink	
Greenhouse gases	
Boreal forest	
Infrastructure	

Part 2:

- Read through the article a second time **with a partner**, alternating reading each paragraph aloud.
- As you read, underline where each focus question is answered in the text.
- Write your response to each focus question in complete sentences, referring to the text as your evidence

Focus questions

1. What the is permafrost and where can it be found?

2. How does a melting permafrost make global warming worse?

3. How are both plants and animals affected by the melting permafrost?

4. How could the melting permafrost impact humans?

5. What can be done to keep the permafrost from melting?

Part 3:

- Read the article a third and final time **own your own**.
- Consider the discussion question below. **Write your response** in 3-4 sentences, using the text to support your claim.
- Share your thoughts with another partner or as a class discussion

Discussion

How could a melting permafrost affect people living around the world, even those who live far away from the Arctic and Antarctic?
