



NAME:

DATE:

The Arctic is melting - so what?

Graphic Organizer for Independent Reading

Complete the graphic organizer below as you read the article *The Arctic is Melting - so what?* Be prepared to discuss your thoughts.

INTRODUCTION	METHODS	RESULTS
Words you didn't recognize:	Words you didn't recognize:	Words you didn't recognize:
Summarize what is meant by scientists when they say that arctic ice is melting.	What models did the scientists use?	What results did the model predict for both northern and southern locations?
	What did scientists use as inputs into those models?	
What are the possible impacts of arctic ice melting on the ecosystem?	What were the expected results that the scientists predicted might occur?	

Conclusion

What three things do the scientists conclude can be done to prevent arctic ice melting from this study?

Discussion Questions

- 1** Does melting sea ice affect sea level directly? Why or why not? How is that different than ice over Antarctica?
- 2** Describe (or draw) the albedo effect described in the paper. (Hint: how does melting sea ice speed up the melting of ice in the arctic?)
- 3** According to the climate model, what type of weather extremes (wet, dry, warm, cold) are likely to occur where you live? Think of one way that this change would be a good thing and one way in which this change could be a bad thing.