Lab 4 — *Day after Tomorrow*
GEO 302C
Week of _____

Goals:
1. Did you show up? Congrats! You get a score of 100 for Quiz 3!
2. Analyze the representation of climate and weather processes in the *Day after Tomorrow*

Lab 4 Homework
GEO 302C
Your name:
Your EID:

1. (5 points) If all continental ice sheets melted, by approximately how much would the global mean sea level rise?

2. (5 points each) Give two reasons why studying past climate is a good idea.
a.

b.

3. (5 points each) List four types of climate proxy data.
a.

b.

c.

d.

4. (5 points) What is an abrupt climate change?

5. (10 points) How can global warming cause cold weather?

6. (10 points) Could climate change shut down the thermohaline circulation? Why or why not?

7. (10 points each) List two weather- or climate-related processes that *the Day After Tomorrow* gets right. Give a one- or two-sentence explanation of WHY each process is right.

a.

b.

8. (10 points each) List two weather- or climate-related processes that *the Day After Tomorrow* gets wrong. Give a one- or two-sentence explanation of WHY each process is incorrectly portrayed.

a.

b.