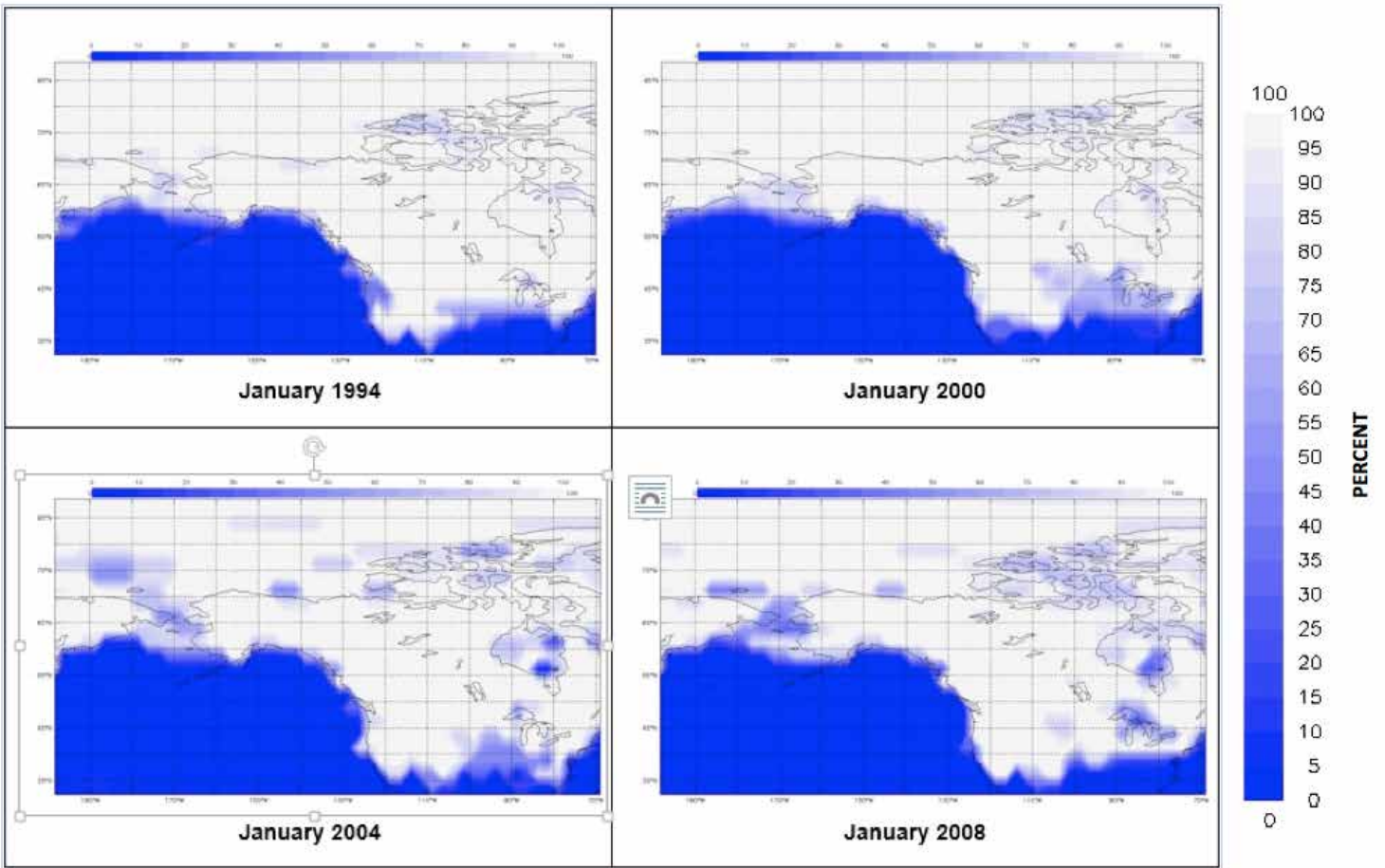


ISCCP Satellite – Monthly Snow/Ice Amount



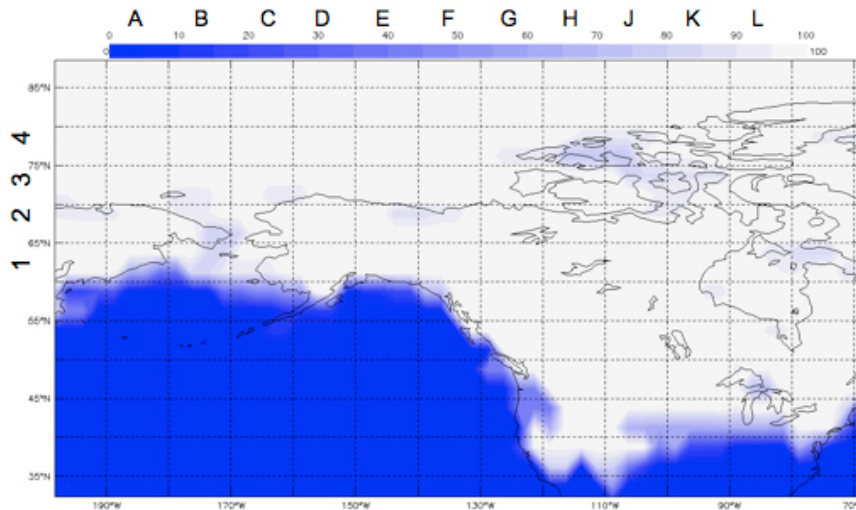
# THE YEARS OF LIVING DANGEROUSLY - EDUCATIONAL COMPANION

Name: \_\_\_\_\_

Date: \_\_\_\_\_

## Monthly Snow/Ice Amount – Percent Change Data Sheet

Please label all your maps as follows...



**Special Note – The amount of snow/ice in each box is only an estimated percentage.**

1994		2000		2004		2008	
4A 100%	2A _____	4A 100%	2A _____	4A 10%	2A _____	4A 100%	2A _____
4B _____	2B _____	4B _____	2B _____	4B _____	2B _____	4B _____	2B _____
4C _____	2C _____	4C _____	2C _____	4C _____	2C _____	4C _____	2C _____
4D _____	2D 90%	4D _____	2D 100%	4D _____	2D 100%	4D _____	2D 95%
4E _____	2E _____	4E _____	2E _____	4E _____	2E _____	4E _____	2E _____
4F _____	2F _____	4F _____	2F _____	4F _____	2F _____	4F _____	2F _____
4G _____	2G _____	4G _____	2G _____	4G _____	2G _____	4G _____	2G _____
4H _____	2H _____	4H _____	2H _____	4H _____	2H _____	4H _____	2H _____
4J _____	2J _____	4J _____	2J _____	4J _____	2J _____	4J _____	2J _____
4K _____	2K _____	4K _____	2K _____	4K _____	2K _____	4K _____	2K _____
4L _____	2L _____	4L _____	2L _____	4L _____	2L _____	4L _____	2L _____
3A _____	1A _____	3A _____	1A _____	3A _____	1A _____	3A _____	1A _____
3B _____	1B _____	3B _____	1B _____	3B _____	1B _____	3B _____	1B _____
3C _____	1C _____	3C _____	1C _____	3C _____	1C _____	3C _____	1C _____
3D _____	1D 100%	3D _____	1D 80%	3D _____	1D 95%	3D _____	1D 90%
3E _____	1E _____	3E _____	1E _____	3E _____	1E _____	3E _____	1E _____
3F _____	1F _____	3F _____	1F _____	3F _____	1F _____	3F _____	1F _____
3G _____	1G _____	3G _____	1G _____	3G _____	1G _____	3G _____	1G _____
3H _____	1H 100%	3H _____	1H 100%	3H _____	1H 100%	3H _____	1H 100%
3J _____	1J _____	3J _____	1J _____	3J _____	1J _____	3J _____	1J _____
3K _____	1K _____	3K _____	1K _____	3K _____	1K _____	3K _____	1K _____
3L _____	1L _____	3L _____	1L _____	3L _____	1L _____	3L _____	1L _____

## THE YEARS OF LIVING DANGEROUSLY - EDUCATIONAL COMPANION

Percent change from 1994 to 2008 4A-4L = \_\_\_\_\_

Percent change from 1994 to 2008 3A-3L = \_\_\_\_\_

Percent change from 1994 to 2008 2A-2L = \_\_\_\_\_

Percent change from 1994 to 2008 1A-1L = \_\_\_\_\_

Total, all map percent change 1994-2008 = \_\_\_\_\_

### Answer in your science notebook.

1. How has snow/ice coverage changed over time for Northern Chukchi Sea, Beaufort Sea and the Northwest Passage? Explain how you know?
2. What are limitations to the process used for looking at how snow and ice have changed over time?
3. What role could albedo have played in this change from 1994 to 2008. What would you expect this same area to look like today? Explain.
4. Explain how changes in snow/ice amounts could affect the following systems:
  - Wildlife
  - Communities in the region
  - Economy locally and globally

