

Name _____

Ocean and Climate Outline

I. Heat

A. Sun heats ocean water *slowly*.

B. Water retains heat for a l o n g period of time and water releases heat *slowly*.

C. Oceans take a l o n g time to heat.

1. Oceans help even temperatures.

2. Oceans cool land during the summer and heat land during the winter.

II. Wind

A. At the ocean there is a pressure and temperature difference between land and water.

1. Wind forms.

2. Oceans are very windy places.

3. Ocean wind moves clouds, air masses and weather fronts.

III. Precipitation

A. Areas near oceans have more precipitation.

1. A lot of water vapor is in the air.

IV. Ocean Currents

A. Ocean winds create **strong** ocean currents.

1. Example: The Gulf Stream

B. Ocean currents bring warm and cold water to different areas.

1. This water effects air temperatures.