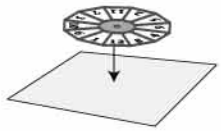
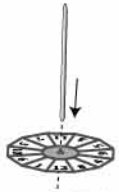
Which continent is closest to McMurdo Station? Australia Points: +5, -5	Using a remotely operated vessel, your crew discovers and maps an unknown trench (a long, narrow crack) on the sea floor. Earn 10 Discovery Points.	An unexpected storm in the night blows your ship off course, adding several hours to your voyage. Go back 10 steps.	A large solar flare disables the Jason-1 satellite for a day. Without data on the changing ocean currents, your ship drifts into a current going the opposite way. Go back 10 steps.	Whirling air from a storm cloud drops down to the sea surface and sucks water up into a giant water spout. Go back 10 steps to avoid it.
What are the pieces of land called that are too small to be called continents? Islands Points: +10, -10	You encounter a large pod of sperm whales, an endangered species. You follow them and observe their feeding behaviors. Earn 10 Discovery Points.	Dolphins keep your vessel company for several days, so you know you are cruising in a major ocean current, just as the Jason-1 satellite tells you. Earn 10 Discovery Points.	An underwater volcano erupts 100 miles away. Although ocean height data from Jason-1 warns you of a fast-moving tsunami (a giant wave), your ship is nearly capsized. Go back 15 steps.	You become entangled in a floating forest of giant sea kelp. Since its jelly-like substance is used in making ice cream, you collect samples to find other uses. Lose one turn, earn 5 Discovery Points.
What current will take you in circles around the Gulf of Alaska? Alaska Current Points: +5, -10	A rogue wave knocks one of your crew overboard and nearly capsizes your boat. You rescue the crew member and bail out the boat. Go back 5 steps and lose one turn.	Divers on your ship collect specimens of an unknown species of bacteria that thrive in the boiling water near a thermal vent on the ocean floor. Earn 15 Discovery Points.	Your research vessel develops an engine problem. Lose one turn while your engineer makes repairs	Your vessel accidentally drifts into a major tanker route and is almost run over by one of the huge ships during the night. Lose 5 Discovery Points for your negligence.
Which is the largest continent? Beware, this flat map of the spherical Earth greatly stretches things at the top and bottom. Asia Points: +15, -5	Using a submersible vessel, your crew studies how the plates of Earth's crust under the sea are pushing against each other. Earn 10 Discovery Points.	Coming upon an oil spill from a tanker ship, you stop to help test a new, gentler method of cleaning the oil from birds' feathers. Earn 10 Discovery Points.	Detour to fix a disabled monitoring buoy that measures winds and temperatures of the air and sea surface and transmits the data to a satellite. Lose one turn, earn 10 Discovery Points.	You encounter a disabled fishing trawler adrift with a crew of 15 cold, hungry fishermen. You take the crew aboard your vessel and tow their boat back to shore. Lose one turn.
Is there more dry land north of the equator or south of the equator? North (more than 2/3) Points: +15, -10	You gather ocean and air temperature measurements to compare with ocean current information from the Jason-1 satellite. Earn 10 Discovery Points.	You encounter a huge floating mess made up of fishing nets, shipwreck parts, and trash. Since this stuff could hurt coral reefs, whales, and dolphins, you stop to clean it up. Earn 10 Discovery Points.	Stop to deploy a new monitoring buoy that will transmit measurements of winds and temperatures of the air and sea surface to a satellite. Earn 15 Discovery Points.	You reach a place where two pieces of Earth's crust come together. You send your remotely operated vessel to the ocean floor to study what happens when tectonic plates collide. Earn 15 Discovery Points.

Using Jason-1 ocean current data and satellite weather data, you begin to develop a computer program that will use ocean current data to help predict weather. Earn 15 Discovery Points.	To help map a safe route for laying a communication cable across the ocean floor, you and your crew measure the currents on the sea floor. Earn 10 Discovery Points.	You see a beautiful sunset over the misty horizon and are inspired to write a poem to describe it. Earn 5 Discovery Points
Jason-1 data shows warm ocean temperatures may be hurting an area of fragile coral reefs. You detour to see whether the coral is starting to die. Earn 10 Discovery Points.	Your ship is caught in a strong eddy current and pulled off course. Go back 6 steps.	You encounter a coral reef and send divers to count all the species of animals and plants living there. Earn 10 Discovery Points.
El Niño conditions are causing very large waves, so you and your crew go surfing! Give back 10 Discovery Points.	You and your crew take a rest day to fish and play in the water with a school of dolphins. Lose one turn.	While you are under way, you measure wave heights and wind speeds to see how they correlate. Earn 5 Discovery Points.
Stop to collect ocean water samples to measure temperature and salinity (saltiness) at different depths. Earn 15 Discovery Points.	You and your crew detour to watch the yacht races. Lose one turn.	You encounter a HUGE iceberg and stop to investigate. It takes you 8 hours just to cruise around it. Lose one turn, but earn 10 Discovery Points.
To measure currents, you toss some free-floating monitoring buoys into the ocean and track their movement with help from Global Positioning System satellites. Earn 15 Discovery Points..	Your crew stops to deploy a monitoring buoy that will relay current and temperature information to a satellite. Earn 10 Discovery Points.	One of your divers is stung by a jellyfish and needs immediate medical attention. You detour and lose several days. Go back 15 steps.



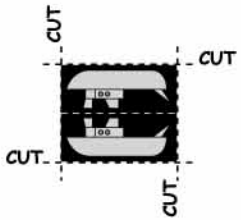
Paste onto heavy paper with rubber cement.

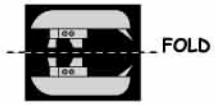
Cut out



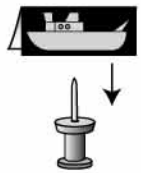
Punch a small hole in the center with a push pin and insert toothpick.

Ready to spin.





Fold along dotted line



Glue onto push pin

Ready to sail

What ocean lies between North America and Europe? North Atlantic Ocean Points: +5, -10	What ocean lies between South America and Africa? South Atlantic Ocean Points: +5, -10	What ocean is north of Greenland? Arctic Ocean Points: +10, -5	What narrow ocean passage goes between Asia and North America? Bering Strait Points: +15, -5	What continent sits between the Indian Ocean and the South Pacific Ocean? Australia Points: +10, -5
If Greenland is an island, not a continent, how many continents are on this map? 7 (don't count Asia twice!) Points: +15, -10	Since the sun rises in the east, does dawn come first to North America or South America? South America Points: +10, -10	Which is farther south, the Mediterranean Sea or the Gulf of Mexico? Gulf of Mexico Points: +15, -5	If you set sail from the west coast of South America, which current would head you toward Australia? Peru Current Points: +15, -10	On what continent is McMurdo Station? Antarctica Points: +10, -5
Near what continent is the Great Barrier Reef? Australia Points: +15, -5	Which current brings warm water from the Gulf of Mexico north along the east coast of North America? Gulf Stream Current Points: +15, -5	What current flows all around Antarctica? Antarctic Circumpolar Current Points: +5, -10	Where is the deepest part of all the oceans? Marianas Trench Points: +15, -5	What current south of the equator flows east to west all around the world, even though it is interrupted at times by land? South Equatorial Current Points: +10, -5
Which birds are the best swimmers? Penguins Points: +10, -5	Cool water trapped inside a strong, circular current of warmer water is called what? Ocean eddy (or just eddy) Points: +15, -5	What is the name of the cold sea north of the North Pacific Ocean? Bering Sea Points: +5, -10	What is the continent with the shortest name? Asia Points: +5, -10	If you were going with the flow right along the equator, which direction would you be going most of the time? East Points: +10, -5
If you set sail from the west coast of the U. S. (south of the FINISH point), which direction would be easiest and fastest to travel? S (or SW) Points: +15, -10	This is a very calm area in the North Atlantic Ocean. Sargasso Sea Points: +15, -5	If your ship hits one of these frozen floating islands, you could be in big trouble. What is it? Iceberg Points: +10, -5	Which continent surrounds Hudson Bay? North America Points: +5, -10	Which continent lies between the South Atlantic Ocean and the Indian Ocean? Africa Points: +5, -10