

Oceanography Exercise 1 – Time Line of Ocean Exploration

Match the persons or groups listed below with the technological advance or accomplishment in the history of ocean exploration. Some names may be used more than once. From your textbook, find the time of the event.

On the attached page, create a time line of these events. Mark the event on the vertical time line, and write down the person or group, and the letter of the event (from this page).

The left column of the time line is reserved for the major eras in civilization. Find these in a history textbook or on the Internet. (A few of the dates of colonies are not in the book either.)

This exercise is not to see how quickly you can find trivia on the Internet, but to have you read carefully the chapter in your textbook on the history of ocean exploration, and to get you to place those events in the larger context of the history of civilization.

Person or Group

James Cook

Sir Walter Raleigh

Phoenicians

Marco Polo

Ponce de Leon

Matthew Fontaine Maury

Meteor Expedition

Zheng He

Ferdinand Magellan

Eratosthenes

Vikings

Polynesians

Captain John Smith

Charles Wyville Thomson

John Harrison

Chinese

Prince Henry the Navigator

Charles Darwin

Events in the History of Ocean Exploration

<u>Person or Group</u>	<u>Date</u>	<u>Event</u>
		A. Seafaring culture with many coastal cities around the Mediterranean. Primary country of origin was present-day Lebanon.
		B. Colonization of Iceland in the North Atlantic Ocean.
		C. Librarian and scholar at the Library of Alexandria in Egypt.
		D. Colonization of the Hawaiian Islands.
		E. European discoverer of Florida; town of St. Augustine established about 50 years later.
		F. Chief scientist for a five-year cruise to all the world's oceans (except the Arctic) to measure, observe, and collect samples for water chemistry, plant and animal life, and sediment types.
		G. First European captain to have his ship circumnavigate the globe, although he personally did not make it back.
		H. Dispersal across South Pacific from an origin in Southeast Asia and New Guinea.
		I. Developed the magnetic compass, and used it for navigation over land and sea.
		J. Established Jamestown Colony in Virginia, and explored the mid-Atlantic coast of North America.
		K. First accurate calculation of the circumference of the Earth (within about 8% of the correct value).
		L. Established a short-lived settlement on Newfoundland off the eastern coast of Canada.
		M. Earned a small fortune by inventing and refining an accurate timepiece that would function well on ships. This allowed accurate calculation of longitude.
		N. Founded Roanoke Colony in North Carolina; all inhabitants perished before supply ships returned.

<u>Person or Group</u>	<u>Date</u>	<u>Event</u>
		O. Explored central Asia to create an overland trade route from Europe to Asia.
		P. Naturalist aboard the HMS <i>Beagle</i> , which sailed around the world, mostly in the Southern Hemisphere; his observations and later synthesis led to publication of <i>On the Origin of Species by Natural Selection</i> .
		Q. German scientific cruise to the South Atlantic in 1925. First extensive use of modern electronic equipment to collect data, including an echo sounder to map bathymetry. "Found" the South Atlantic Ridge.
		R. Chinese admiral whose fleet sailed widely across the Pacific, Indian, and South Atlantic oceans; may have been the first to circumnavigate the globe.
		S. Established a center for study of navigation and marine science; heralded the age of European exploration of the oceans.
		T. Captain of three cruises around the world to collect information about the oceans that would be valuable for the military, commerce, and science. Extensive exploration of the high southern latitudes (near Antarctica). Killed by natives in Hawaii.
		U. Published <i>The Physical Geography of the Seas</i> . The first extensive compilation of information on winds, currents, and water temperatures of the oceans.

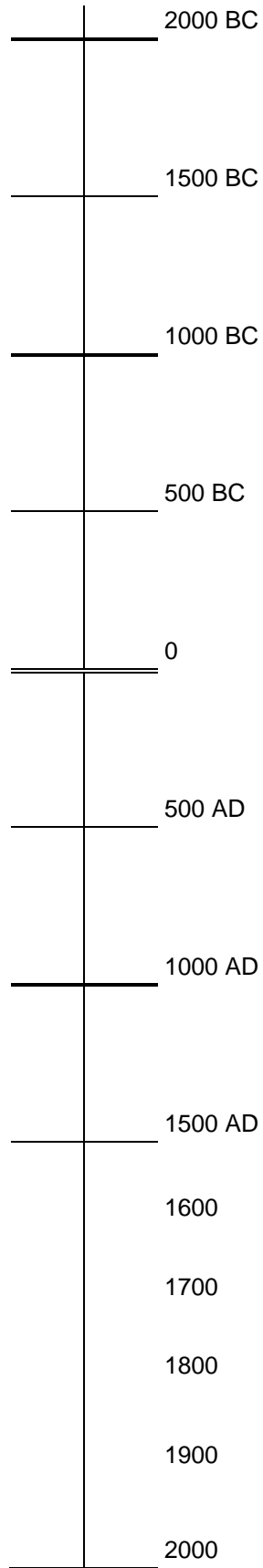
Major eras in the history of Western Civilization. Plot these on the left side of the time line.

<u>Era</u>	<u>Dates</u>
Building of the pyramids	
Greek civilization	
Roman Empire	
Medieval Dark Ages	
Renaissance (Europe)	
Era of European exploration	
European colonial empires	
Major oceanographic institutions established	

A Time Line of Ocean Exploration

The Past 4000 Years

Major Eras



Date of Event

Person or Group

Accomplishment

A Time Line of Ocean Exploration

The Past 500 Years

Date of Event	<u>Person or Group</u>	<u>Accomplishment</u>
1500 AD		
1550		
1600 AD		
1650		
1700 AD		
1750		
1800 AD		
1850		
1900 AD		
1950		
2000 AD		