Class	Name
	Date
Unit 5	Topic: Development of The Theory of Evolution
Main Ideas & Questions	Notetaking Column (Details, drawings, answers)
	 Fact = an about the world Made using or your Hypothesis = a prediction Theory = an that is supported by a large number of and Ex. Theory of Evolution by Natural Selection Law = describes something works but doesn't explain Ex. Law of Gravity
Early Ideas & Change	 Species = a group of individuals that can mate and produce offspring Ideas about the and have changed over time At the start of the 1700s most people believed species & never went years old As people in the 1700s began to & explore new places ideas began to o Discovered that species from places can look and act of species no longer alive Found of species no longer alive Fossil = a of an that lived in the past
	 ➤ Scientists began to think it was possible for species to over time ○ Evolution = in a population of organisms over are different from previous (old) populations ○ Realized species can also go
	■ Extinct = of a species are

 Nicolas Steno (1669) - said strata (rock layers) were older than found closer to the (Law of superposition) This applies to as well! Also said the processes that are acting on today are the same as those that acted in the past
Older
➤ Jean-Baptiste Lamarck (1815) - said species because of inheritance of characteristics o Inheritance of acquired characteristics = change during their & pass those changes on to their & pass those changes on to their were stratching browned anymore! Lamarck's grafte and stratching progressively ligher up a tree progressively light
Charles Lyell (1833) - said that Earth's was changed by processes over a period of time
o This idea is called
■ Example: Rivers can create and
 Lyell concluded that Earth was much than 6,000 years ➤ Thomas Malthus (1798) - said humans because of overpopulation ○ Poverty,, famine, etc. occur because there are too many & not enough ■ Only those best suited for their environment & therefore able to get the they need will & reproduce

Charles Darwin	➤ Charles Darwin - proposed the Theory of by
	o A result of his trip around the on the
	H.M.S (a ship) from 1831-1836 (5 years!)
	■ Studied many different
	Spent a large amount of time in the
	➤ Darwin was greatly influenced by other of
	the time
	 work made him think that species must
	very over time in order to
	on a slowly changing Earth
	Agreed that Earth must be
	Believed all species shared a
	➤ Darwin published his ideas after his voyage
	 Book was "On the Origin of Species by Means of " (1859)
	■ Finally published because another
	, Alfred Russell Wallace, was
	going to publish the!
	 Said species evolve because of
	■ Not because of of acquired
	characteristics like thought
	ARCTICOGEAN ARENCA ATLANTIC PACIFIC PACIFIC OCEAN OCEAN
	OCEAN Darwin's Voyage 1831-1836
	H.M.S. BEAGLE
Summary:	