**Chapter 1 Study Guide:**

Ocean Facts: Know your basic ocean facts

* Average depth
* Names of the oceans
* How much water is fresh vs salt
* Where most of the water on earth is found
* Why we study the oceans
* Why does Earth have water

Branches of Marine Science:

* Know the major branches and possible job duties for each

Why Study History?:

* 3 major reasons

Prehistory:

* Why did these ancient groups explore?
  + Phoenecians - what are their major contributions?
  + Greeks -
    - What is cartography?
    - Know the difference between your map projections & the type of distortion
    - Know the difference between latitude and longitude
  + Egyptians - major contributions?
    - 1st recorded voyage in 3200BC!
  + Polynesians - major contributions?

Middle (dark) Ages:

* Vikings: What did they do/find?
* Chinese: What inventions did they contribute to oceanography? Why were their voyages so different from everyone else?
* What the heck happened with the rest of Europe? Why were there no major contributions?

European Age of Discovery:

* What is the significance of Prince Henry?
* Who were the major contributors/explorers?
  + Know what their significance was (ex: Magellan circumnavigated the globe)

Birth of Marine Science:

* What is the significance of the following?
  + Captain Cook
  + Matthew Maury
  + Darwin & the HMS Beagle
  + Challenger Expedition
  + Nansen’s polar expedition
  + US Exploring Expedition

Modern Oceanography:

* What were the major contributing factors that led to the tech of today?
* What are some advantages/disadvantages of scuba vs submersibles?
* What were the major discoveries/contributions of the 3 big expeditions?
  + Meteor
  + Atlantis
  + Challenger II