UNIT 2   Gulf of Mexico (GOM) Possible Test Questions For Exam 2
(revised 8/15)
1. Did you prepare and remember the drawing that you did on Page 5 of Study Guide
2. Did you remember to write your hypoxia paper?

Energy Driven Systems
3. Which two energy sources are principally driving the hydrologic system?

Measuring Geologic Time
4. How is a non-absolute geologic time scale measured?
5. How is an absolute geologic time scale measured??

Interpreting Geological Events
6. What are the key premises for the doctrine of Uniformitarianism?
7. What are the key premises for the doctrine of catastrophism?

Formation of Earlier Texas Ocean Basins
8. What is the name of the 250 million year old ocean basin found in West Texas?
9. Why are ancient and present-day ocean basins economically important today?
10. Which important education fund receives money from Texas Permian Basin oil and gas royalty payments?

Bahama Island Comparison
11. Where could we find a nearby, modern day example of the ancient Texas Permian Basin?

Shallow Seas Over Texas 94 MY Ago
12. How do we know of ancient shallow seas and islands that covered the San Antonio-Dallas area?

The GOM and the End of the Dinosaurs.
13. What is the name of the meteorite that ended the reign of the dinosaurs?
14. Where is this dinosaur-killing, meteor crater located?
15. Can you physically touch the walls of the crater? If not, why not?

Characteristics of an Ocean Basin and Its Edges
16. Draw and label all components of a continental margin (i.e. shelf, slope rise, etc.).
17. Locate where gas hydrate is located on a continental margin.?

Components of the GOM Basin
18. What is the greatest depth of the GOM? And what proper name is given to this deep location?

Salt Domes
19. What happens to deeply buried salt (over time), that causes this deep salt to rise?
20. What valuable minerals have been found in and around salt domes?

Texas Public Schools and Oil
21. The state of Texas has unique offshore rights. How far offshore does Texas own mineral rights?
22. Which Texas education fund receives money from this offshore oil and gas production?
Natural Oil “Pollution” in the GOM
23. Describe a natural source of oil pollution on Texas beaches.

Natural Gas “Pollution” in the GOM
24. What is “gas hydrate”? 
25. Where can gas hydrate be found: seeps at shallow sea depths OR only seeps at deep sea depths? 
26. How much gas hydrate reserves could possibly be found in world-wide seawater basins?

Deep Water Drilling
27. The largest GOM oil and gas platforms have been either constructed or finished near _______.
28. Describe the drilling method used to reach oil and gas deposits, from offshore drilling platforms.

Hypoxia in the GOM
29. Explain the development and demise of the hypoxic zone that lies in front of the Mississippi River or Brazos River?

Gulf Stream
30. Describe the Gulf Stream (and to where does it travel)

Barrier islands
31. Name the four principle Texas barrier islands.

Texas Natural Reefs and Artificial Reefs
32. What is the name of the famous natural coral reefs off the coast of Texas?
33. On what geologic feature are these Texas natural reefs located?
34. What are artificial reefs and why are so important to the GOM fishing industry?
35. How is the US EPA handling of the abandoned offshore platforms affecting sea life?

Marpol Treaty Annex 5 (guaranteed on exams)
36. What is an important factor of this treaty, in regards to waste disposal in the GOM?

Impact of the GOM upon Texas
37. Have a general awareness of these factors

SEE NEXT PAGE FOR DAILY QUIZ
Daily Quiz 3 (Unit 2 GOM)

Assignment can be found on Page 12 of GOM Study Guide and Unit 2 Web Hit Site

I have read the end of the Unit 2 Study Guide and I understand that there is a written assignment about Hypoxia due the class after this class (Wednesday), and I plan on turning in this assignment, with copies for my team on time.

Circle your answer:       YES TO ALL (Worth 5 points)      NO TO ALL (Worth zero points)

Check the box below if it applies to you
[ ] I came to class tardy or I am planning on leaving the class early (minus one point)