

## **Evidence from the Ocean Basins (other than shape)**

- 1. Age of sediment---there are no sediments in the Atlantic Ocean older than late Jurassic or early Cretaceous. This is data obtained from cores taken by the Glomar Challenger as part of the Deep Sea Drilling Project (DSDP).**

**We can test this data. Take 12 pieces of paper, staple upper left hand corner. Label top sheet January and then go sequentially through to December. Place a waste basket on the other side of your room. At the front of the room tear off January. What step in the formation of sedimentary rocks have you just done? Carry January to the other side of the room. What step in the formation of sedimentary rocks have you just done? Place January in the waste basket. What step in the formation of sedimentary have you just done.**

**Return to the front of the room. About half way back to the front of the room, stop, and ask yourself why did you not deposit January in that waste basket. The most obvious answer is that there is no waste basket there. Continue back to the front of the room.**

**Do the same with February. Return to the front of the room. About half way back to the front of the room, stop, and ask yourself why did you not deposit February in that waste basket. The most obvious answer is that there is no waste basket there. Continue back to the front of the room.**

**Do the same with March. What Law do you see in this waste basket? Return to the front of the room. About half way back to the front of the room, stop, and ask yourself why did you not deposit March in that waste basket. The most obvious answer is that**

**there is no waste basket there. Continue back to the front of the room.**

**Do the same with April. On your way to the first waste basket, a new waste basket has appeared. Put April there. Repeat with May and then June. What Law do you see in this wastebasket? Why aren't sediments from January through March in this second waste basket? Because it wasn't there.**

**If the Atlantic Ocean had been there throughout the Paleozoic Era and the Triassic Period, then it would contain sediments of that age. No sediment, then not there.**