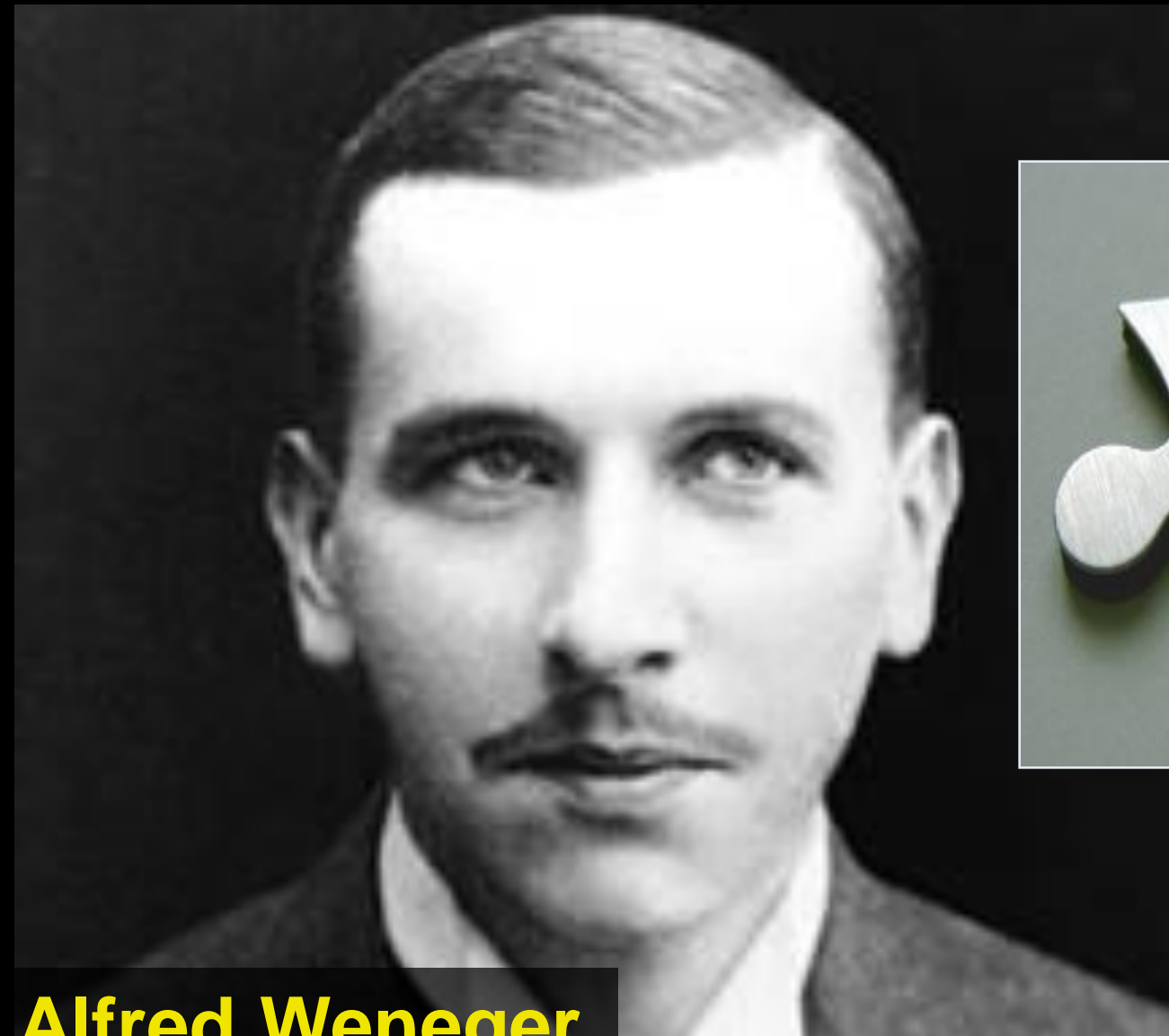


# “Continental Drift”

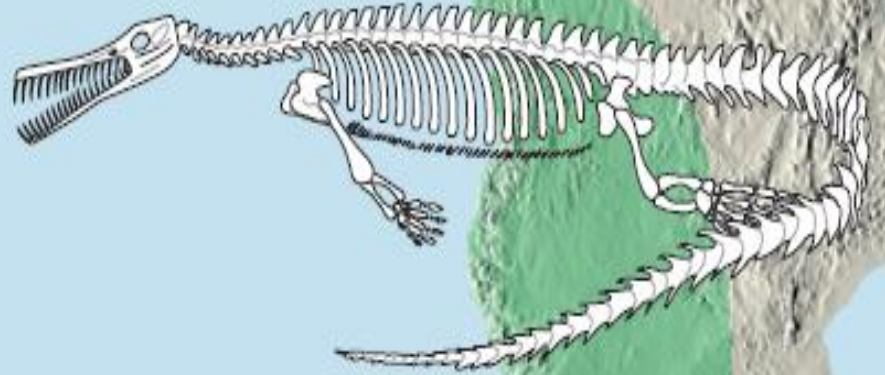
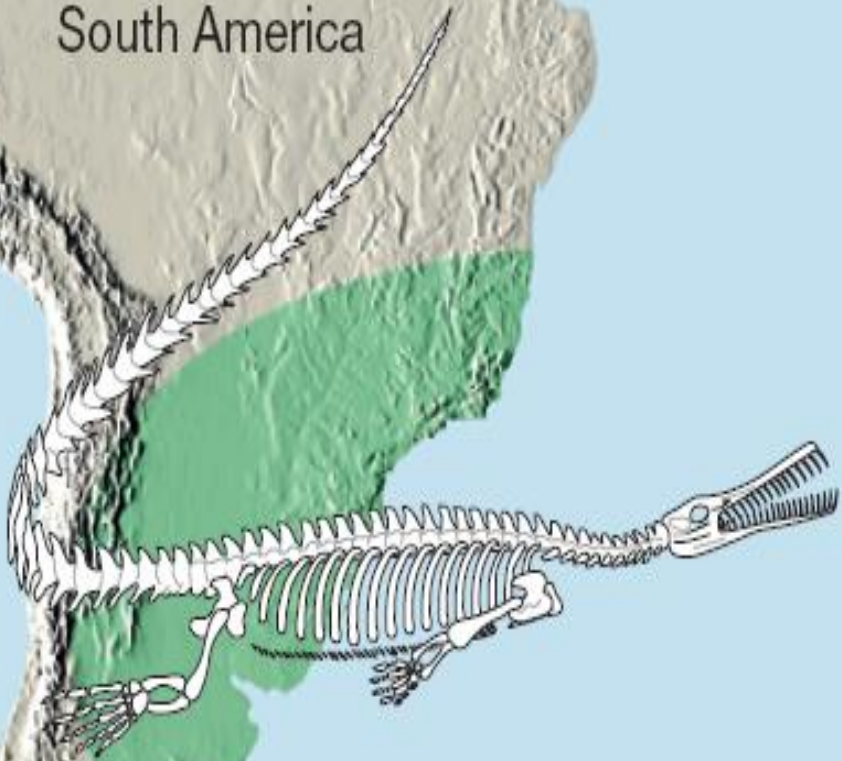


**Alfred Wegener**

Chapter 9.1

Q: How do you think these same animals ended up so far apart?

South America



# Review...

- Lithosphere
- Plates
- Continents



# Continental Drift Hypothesis:

1. **Continents fit together** like puzzle.

– What the heck?!

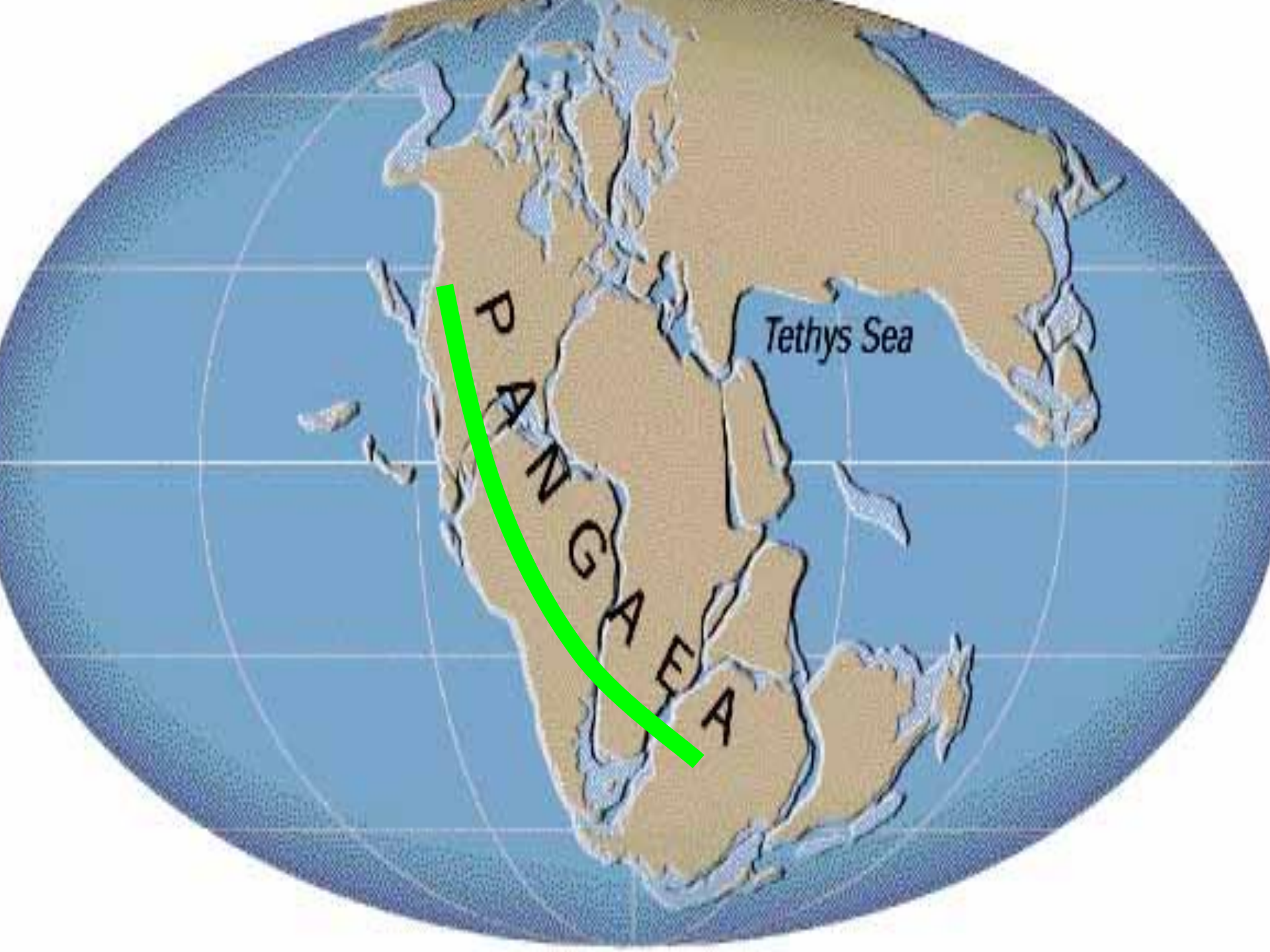
2. **Super-Continent!**

– Name = **“Pangaea”** = **“All Earth”**

– **Pan** = **“All”**

– **Gaea** = **“GEE uh”** = **“Earth”**





P  
A  
N  
G  
A  
E  
A

Tethys Sea

# Breakup of Pangaea



# Evidence:

1. Coastlines

2. Matching Fossils

3. Rock types/  
Mountains

4. Ancient Climate  
Clues

- Glacial valleys!
- In Africa?!



# The Response: “No way José.”

“Oh yeah, HOW do the plates move then?”

–Tides?

–Bulldozers?

–Nope, and Nope. ☹

Until ne



# Questions for Pangaea Exploration

- To be answered on finished “Puzzle.”
- Where did the continents fit together well?
- Where were there problems?
- Did anyone in your group find a different solution?

# Assignment

- Read Chapter 9, Section 1  
(pg. 248-253)
- Do Section 9.1 Assessment #1-6 (pg. 253)

