

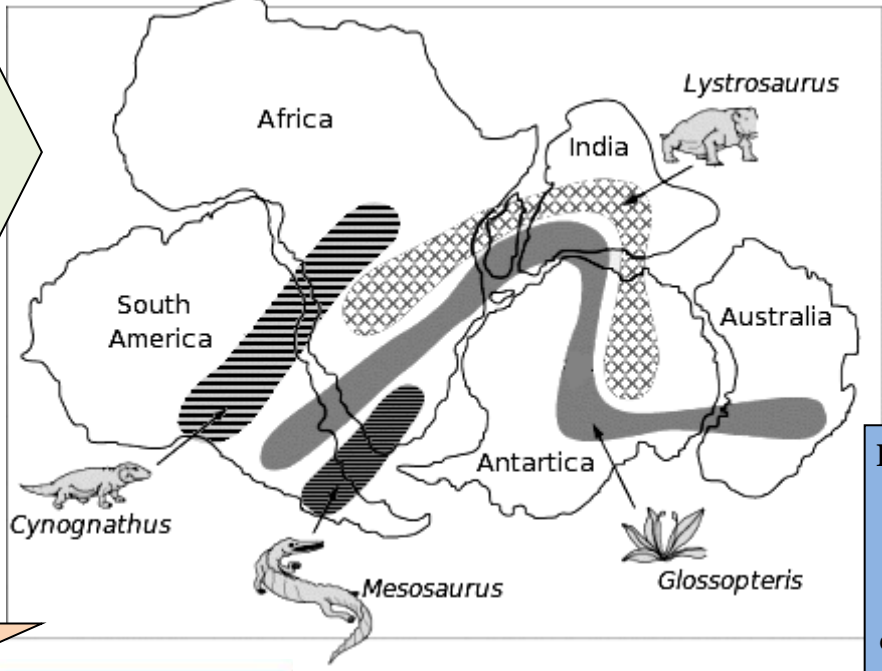
<p>THEORY OF CONTINENTAL DRIFT: What does it say?</p>	<p>That the continents of the world all started together in a single landmass, AND have since drifted apart.</p>
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<p>SUPERCONTINENT: What was the name of this supercontinent?</p>	<p style="text-align: center;">PANGEA</p>
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<p style="text-align: center;">TYPE OF EVIDENCE</p>	<p style="text-align: center;">EXAMPLES OF EVIDENCE</p>
<p style="text-align: center;">1. FOSSILS</p>	<p>Fossils of the same animals were found on many different continents, now separated by oceans:</p> <ul style="list-style-type: none"> • Glossopteris = plant • Cynognathus = land reptile • Lystrosaurus = land reptile • Mesosaurus = freshwater reptile <p style="text-align: center;">These organisms had no way to travel across such oceans that exist today!</p>
<p style="text-align: center;">2. LANDFORMS</p>	<p><u>Shapes of the Continents</u> – They appeared to ‘fit’</p> <ul style="list-style-type: none"> • South America and Africa <p><u>Coal Fields</u> –</p> <ul style="list-style-type: none"> • In North America and Europe match up when pieced together (also ‘fit’ as well) <p><u>Mountains and Rock Layers</u> –</p> <ul style="list-style-type: none"> • In North America and Europe match up when the continents are pieced together (similar rocks)
<p style="text-align: center;">3. CLIMATE</p>	<p><u>Tropical Plants</u></p> <ul style="list-style-type: none"> • Found in areas that are considered Arctic (frozen) today. <p><u>Glaciers</u></p> <ul style="list-style-type: none"> • Evidence of glaciers found in areas that have temperatures far too mild to have glaciers. <p style="text-align: center;"><i>Evidence shows that climate must have been much different in the past.</i></p>

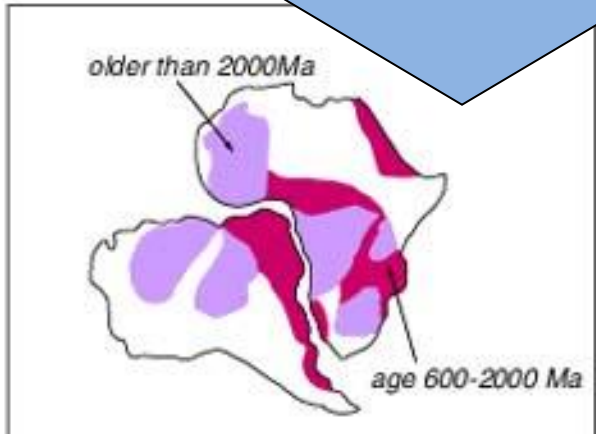
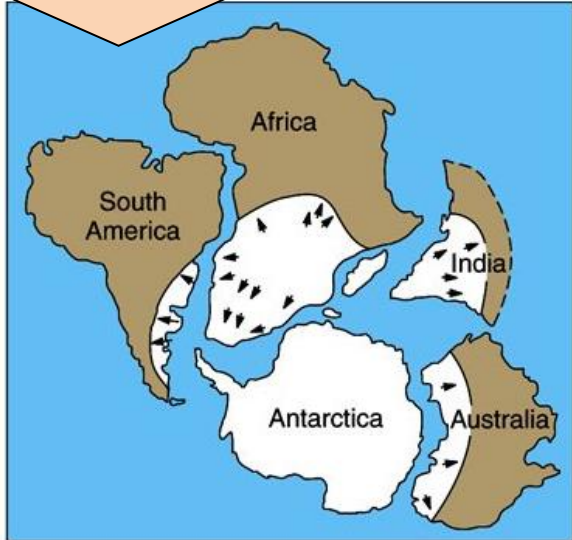
<p>THE PROBLEM: Why didn’t many scientists believe him despite all of his evidence?</p>	<p style="text-align: center;">He could not explain HOW the continents moved!</p>
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Evidence from Fossils – Form Patterns when pieced together



Evidence from Climate: Glaciers are found in warm areas AND movement consistent

Evidence from Landforms Rock layers match up (age and characteristics)



Match of cratons (purple) and ancient orogenic belts (pink) between South America and Africa

Evidence from Landforms



Coal Fields AND Mountain match

Continents seem to 'FIT' together