

Goals and Assessment

Clarify that the goals indicate what students should understand and be able to do as a result of the activity. Make sure students understand that Chapter Assessments are based upon these goals.

Goal	Location in Activity	Assessment Opportunity
Use several present-day distributions of minerals, rock formations, and fossils to help figure out the distribution of continents.	Investigate Steps 1 – 5	Responses to questions are correct, reflect evidence given.
Construct a map showing the position of continents 250 million years ago by reversing the present direction of plate motion.	Investigate Step 3	Map shows a reasonable continental configuration. Map includes a border, an equatorial line, latitude lines at 30° and 60° north and south, and a title.
Recognize a convergence of presently widely scattered minerals, rock formations, and fossils when all the continents were part of Pangea.	Investigate Step 4 Digging Deeper Check Your Understanding Question 5	Answers indicate recognition of a convergence.
Compare present average community motions with that of the past 250 million years by calculating the average yearly rate of motion over the last 250 million years.	Investigate Step 5	Comparisons reasonable.
Describe the context in which the hypothesis of continental drift was proposed and why it was subjected to criticism.	Digging Deeper Check Your Understanding Questions 3 – 4 Understanding and Applying What You Have Learned Question 4	Response clear and accurate.
Show that your community has moved through different ecological regions over time.	Investigate Step 5	Presents reasonable evidence. Backs up information with facts.