together and had since moved apart. Howevwas the first to build a detailed scientific case port of the idea.

egener's theory of continental drift contradictany of the existing, widely-accepted ideas about solution of the Earth. At that time, scientists that the crust could not move horizontallyments were permanently fixed in the positions ich they had formed billions of years before. It can imagine, most established scientists reactifavorably to being told many basic principles plogy were incorrect—especially by a young who was not even a geologist! Wegener, you has a meteorologist, or weather scientist. Wegenery was met with great hostility and rejected est of the world's scientists.

spite the extremely negative response of most world's scientists, Wegener and his supporters aued to believe in the theory of continental They kept on collecting evidence to support seory. About thirty years after Wegener's death, the evidence had been gathered to convince t all scientists that continental drift was an table, useful theory.

ence From Fossils

idence from fossils supports Wegener's theory itinental drift. As you read earlier, Wegener to work seriously on the theory when he hat identical types of fossils had been found in and South America. But as you can see in 12–1, fossils reveal connections among continents as well.

te organism whose fossils provide evidence for ental drift is *Glossopteris* (glahs-SAHP-teh-rihs), inct, or no longer living, plant.

inct, or no longer living, plant.

ssopteris fossils, which are located in rocks
250 million years old, are found in South. Australia, India, and Antarctica. Glossopteris were too large to have been carried by wind to fragile to have survived a trip by ocean. The seeds could not possibly have traveled eat distances that separate the continents. This suggests that the places in which ant's fossils are found must once have been together.

Figure 12–1 The fossilized leaves of the extinct plant Glossopteris have been found in southern Africa, Australia, India, and Antarctica. Today, these places are widely separated and have different climates. What do the Glossopteris fossils indicate about the positions of the continents in the past?

