

Quick Lab



# Large-Scale Isolation

A new species can form when a group of individuals remains separated from the rest of its species long enough for traits to evolve that prevent reproduction with the original group.

**INQUIRY FOCUS** Infer

## Procedure

1. Look at the map of Pangaea your teacher has provided.
2. Take note of the fact that Pangaea was a landmass in which all of the continents were once connected.
3. Think about the fact that 250 million years ago, Australia broke away from Pangaea, and that as recently as 50 million years ago the other continents were still connected.

## Materials

map of Pangaea

## Think It Over

- 1 What types of organisms are unique to Australia? If you do not know, do a quick Internet search to find out.

---

---

---

---

- 2 Look at the map and think about Pangaea. Using what you know about the process of natural selection, make an inference about how unique species could have evolved as a result of the split between Australia and Pangaea.

---

---

---

---