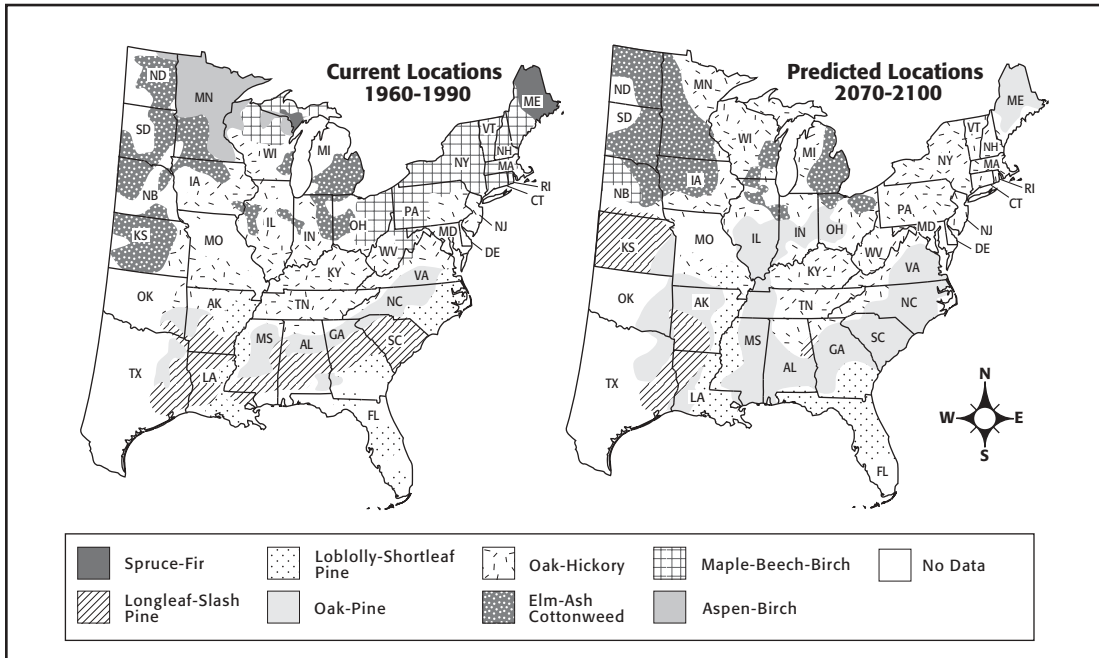


Map Skills



The Experimental Method is the way scientists develop a hypothesis or theory. To test their hypotheses, scientists develop models or experiments. For example, the map on the right is a model scientists created to study a hypothesis about the effects of climate change on tree populations in the eastern United States. It was created to show the changes in tree species' locations that may occur based on projected temperature increase. The other map shows the current tree species' locations for comparison.

Use the maps above to answer the questions below.

1. **Using a Key** Currently, what are the predominant tree species in New England? Based on the model, what may be the predominant species in 2100?

2. **Analyzing Data** What general trend in tree migration does this model show?

3. **Inferring Relationships** Maple syrup, produced from maple trees, is an important industry in New England. Based on the model, what could be the effect of global warming on that industry?

4. **Testing a Hypothesis** What sort of experiment could scientists create to test the hypothesis modeled in the map on the right?