



SQ3R

1. Survey the headings, key words, and visuals before reading.
2. Ask Questions that you hope the text will answer.
3. Read the text to find the answers to your questions.
4. Recite the main ideas of the text in your own words.
5. Review by rephrasing information and applying it in a new context.

Causes of Plate Movement

Tectonic plates rest on the asthenosphere, a layer of soft, hot rock. Rock in this layer and in the mantle just below it moves by convection. **Convection** is heat transfer by the movement of a material. You have seen convection if you have ever boiled a pot of water. The water at the bottom of the pot heats up, becomes less dense, and rises. At the surface, it cools, becomes denser, and sinks, only to be heated and rise again.

1. **Survey** Based on the heading and the term in bold, what is the topic of this paragraph?

2. **Question** Write one question that you hope this paragraph will answer.

3. **Read** Explain whether you found the answer to the question you asked above.

4. **Recite** Write, in your own words, the main idea of this paragraph.

5. **Review** Describe another example of convection.
