

Six Steps to Heating the Atmosphere

1. The sun heats the Earth surface through radiation.
2. The Earth surface heats the air above through conduction and reradiation.
3. Some earth materials heat up faster than others. This is differential heating. So, some areas have warmer air and some places have cooler air.
4. The warm air has molecules moving faster and farther apart, so they are less dense and rise.
5. The cold areas have molecules moving slower and closer together so they are more dense and sink.
6. This moving air is called convection and is responsible for moving the heat around in the atmosphere.

Create a mini-book that explains and illustrates the six steps to heating the atmosphere. Your booklet should include the following:

Cover: Title

Page 1: Step 1

Page 2: Step 2

Page 3: Step 3

Page 4: Step 4

Page 5: Step 5

Page 6: Step 6

Back Cover: Your name

Each page should include words and pictures that help to explain what is happening at that step. It must be in color to be eligible for the "A".

This is worth 25 points.