



INVESTIGATING EARTH IN SPACE: ASTRONOMY

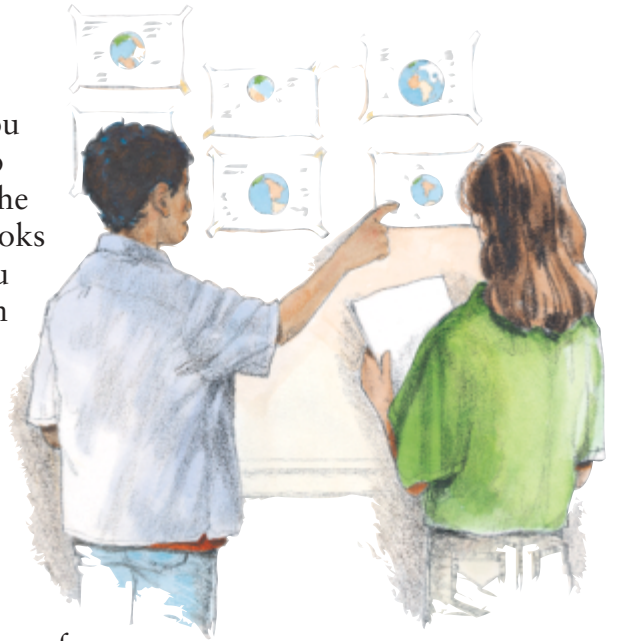


Inquiry

Making Diagrams

Sometimes the best way to show the results of a scientific investigation is by drawing a diagram. Complicated concepts can often be illustrated more easily than they can be explained in words. The diagram should be labeled.

b) The second sketch should show what you and your other group members think that the inside of the Earth looks like. Imagine that you could cut the Earth in half. Do your best to show what it might look like beneath the surface. Label your sketch with descriptions of the different parts you have drawn. If you know the names of any of the Earth's layers, label these, but don't worry if you don't know this yet.



2. Label your drawings with your group's initials. Then post them up in a gallery around the room. Taking your journals, go on a "tour" around the gallery.
 - a) Write down ideas that other groups have about the outside and inside of the planet.
3. When you finish the tour, talk about these ideas in your group. What ideas did you get from the other groups?
4. Now, look at the world map or globe your teacher will provide. Also look at the diagram of the inside of the Earth in the **Digging Deeper** section.
 - a) How are your drawings (and those of your classmates) similar to or different from these maps and diagrams?
 - b) What surprised you about the maps and diagrams?
 - c) Use this new information to make your drawings as accurate as possible.
5. Next make a "Planet Card" (like a baseball card) about the Earth. Draw a picture of the Earth on one side of a 5" x 8" card and put important information that you have learned about the Earth on the back. You might include information on the following topics: