



# Outside Activity

## The Stream

1. With students in rubber boots, find a riffle. Avoid areas that have been disturbed or those with unsafe conditions. Have leader carry white bucket to stream to put specimens in .
2. Approach the sample area to find rocks. Have students hold rock up to sunlight until they can see movement. Carefully wash off bugs and place them in white plastic bucket in which you have placed some of the stream water.
3. Once enough of a variety of bugs have been collected take them back to the stream bank and have students select like type species and put into a cubical in ice tray (sorting by species).
4. Have students identify insects according to the pictures on the Macroinvertebrate pocket chart which you have brought with you.
5. Once they have identified several types of organisms they may compare what they have found to the "tolerant - intolerant" species grouping on their charts and make some conclusions about the health of the stream. They should base their conclusions on: Types of organisms identified, observation of streambed conditions; observation of riparian area and forest canopy. ( Teacher make sure to go over with your students the *New Vocabulary Words* in your Aquatic Macroinvertebrate Survey workbook prior to this field trip for better understanding.)