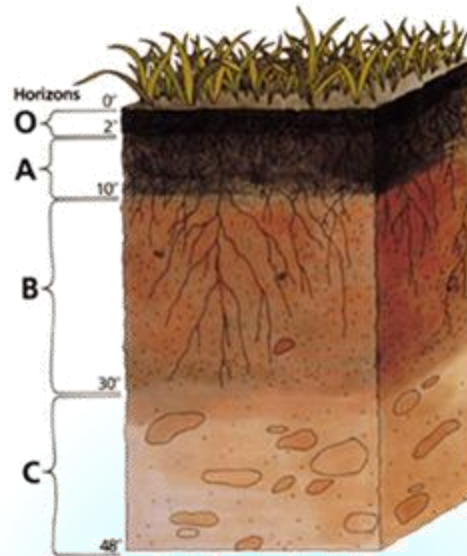


# Tips for success at the IRL Envirothon:

## Soils



## Written Test Station –

The written test may include matching, fill in the blanks, short answer, true false and multiple choice questions. Tie breakers will be included in this test section.

Be familiar with:

- Tools of the trade
- Soil biology
- Soil history & facts
- Soil quality
- Soil management
- Water movement through soil
- Soil careers



## Demonstration Test Station –

This is a “hands-on” station. Be prepared to go into a soil pit if the site permits. If there isn't an actual pit then there will be a soil plug sample or containers of soil.

Be familiar with:

- How to use a Munsell Chart
- Identification & characteristics (color, chroma, texture, porosity, permeability)
- Soil classifications, the twelve orders of soil taxonomy
- Soil indicators
- The soil textural triangle
- Soil profiles & horizons





## Poster Test Station–

At this station there might be a soil map of the site, a county soil survey book, soil profile displays or other identifying tools.

Be familiar with:

- How to locate information in the soil survey book including the tables
- Florida soils
- Soil specific to the site
- Web Soil Survey



## Oral Question –

At this station, an examiner will ask a question that must be answered orally. Students will have several minutes to discuss the question and frame an answer.

The question is usually associated with the current issue, so as you study, be sure to relate how elements of the current issue might relate to soils.

Be familiar with:

- Soil risks, hazards, land use
- Soil concerns in urban environments
- Soil function
- Soil terminology
- Conservation

