

Which Waters do I Want to Fish in?

Big Idea:

- Ozone is in the atmosphere.
- Good ozone protects us from getting sick.

Scientists have found UVB rays can cause depletions (decreased reproductive capacity) and deformities in animal populations. Ozone offers some protection from UVB.

This center is limited to five children at any given time.

Materials:

- 2 tubs
- water animals (small amount to be deformed by lack of "ozone" aka scissors)
- 5 scooping nets (there are three extra)
- fence

Procedure:

1. Gather your five children together.
2. Ask them to look at both tubs. The tub with the deformed animals is not 'protected by ozone'. The tub with the plentiful healthy animals is 'protected by ozone'.
3. Ask them which tub would you like to fish in? Guide their responses to the 'ozone protected' tub.
4. Give each child a net to scoop out the animals. No hands.

5. Of the animals the child scooped out, s/he may choose one to keep.

Note:

a. People manning this center need have a clear purpose of the center's intent—to compare two "waters" and decide the ozone protected tub is better to fish.

Deformities of the animals need to be accurate. See below for an example.



Deformed frog.

b. Perhaps there could also be a visual of the ozone above the tubs. Labeled tubs could also assist the learner in discerning the purpose of the center.



Fishing in the ozone-protected pond.



Tub on left has simulates what happens to our oceans when it is not protected by ozone. It has the deformed animals and less life forms.