

## \*Experiment1\*

Using flashlight, light a PET bottle 1 behind it .





the color become deep little by little

2 Arrange the PET bottlesin straight line.

Add PET bottle and observe the color З of light.



1 PET bottle

## \*Experiment 2\*



5 PET bottle





Instead of milk, try to use soap solution, floor wax or other liquid solution.

## $\ensuremath{\widehat{\mathbf{V}}}$ Information

Passing lightthrough PET bottles have situation similar
to the connection between the sun(day time) and Earth.
$\diamond$ In the afternoon, sunlight reachesthin layer of air. Because of
that, the blue light are scattered so the sunset appear yellowish
and reddish.
igoplusPassing light through PET bottles have also situation
similar to the connection between the sun (evening) and the earth. In
the evening, sunlight reaches thick layer of air.The light from the
sun is almost red and we can see the red sunlight. That light hit the
cloud and dust particles. That is red sky at night.