$\qquad$
$\qquad$ Pd $\qquad$

## AP 2 Optics: Refraction (notes)

1. Sketch the path of the rays as they pass from the air into the water. Draw observer's eyes in the water that could see each ray.

2. The light source is now under water. Sketch the path of the rays as they pass from the water into the air. Draw observer's eyes in the air that could see each ray.


Qualitatively sketch the path of the light rays below as they enter and exit the glass blocks. It may be helpful to draw the normal at each interface.


