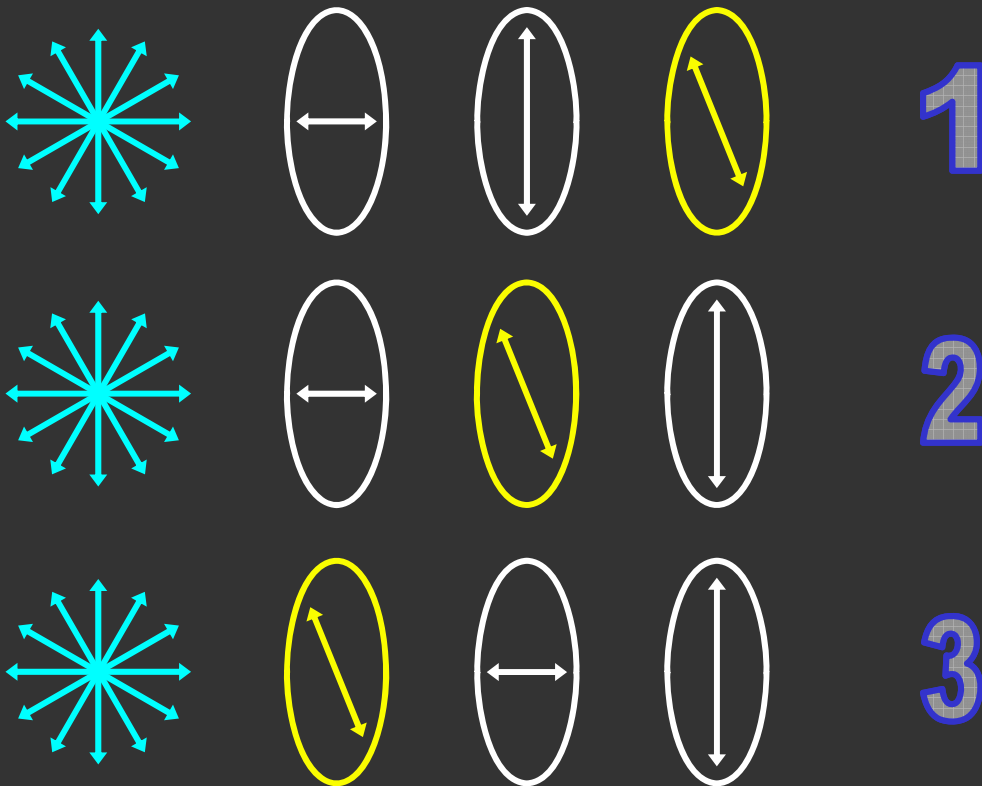


Polarization

If unpolarized light is incident from the left, in which case will some light get through?

- 1) only case 1
- 2) only case 2
- 3) only case 3
- 4) cases 1 and 3
- 5) all three cases



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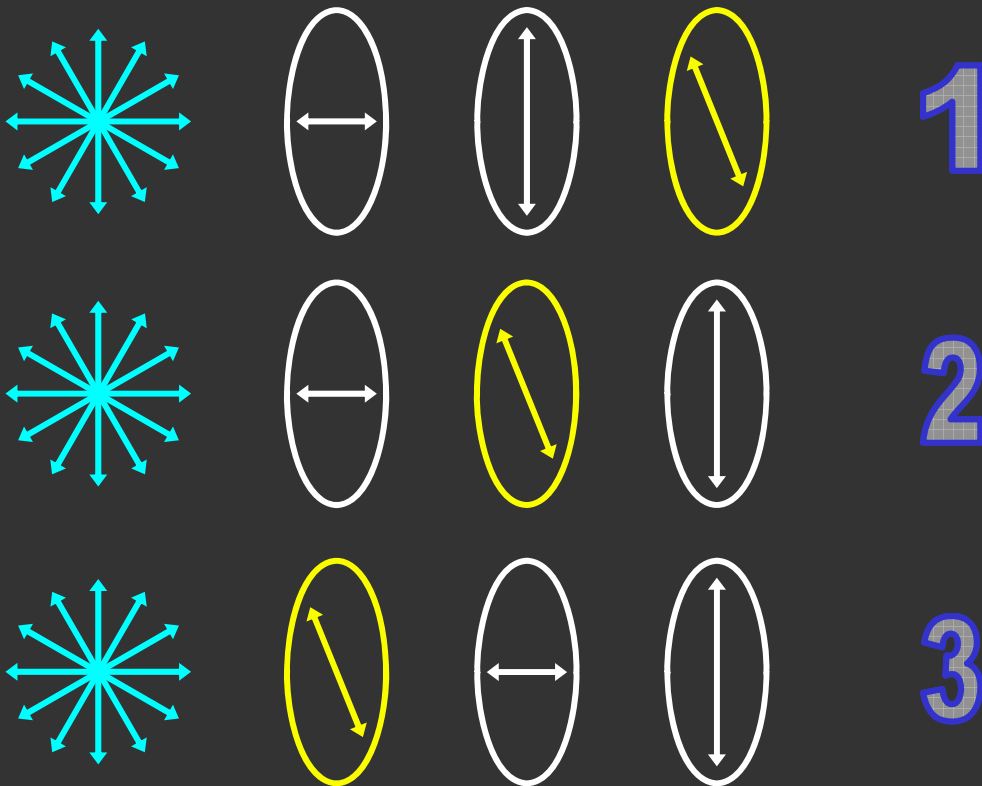
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2) only case 2

3) only case 3

4) cases 1 and 3

5) all three cases



In cases 1 and 3, light is blocked by the adjacent horizontal and vertical polarizers. However, in case 2, the **intermediate 45° polarizer allows some light to get through** the last vertical polarizer.