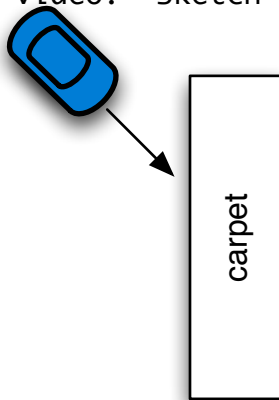


Open Refraction video at mrmont.com

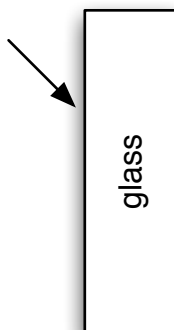
1. Imagine a toy car rolling down a ramp. If you put some carpet in the car's way, what would that do to it's speed?

2. Now imagine the same situation, but the car hits the carpet at an angle. Watch the first part of the video. Sketch the car's path below. Why does it turn, and then turn back?

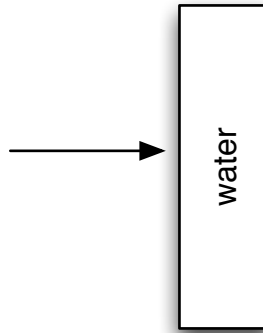


3. What do you think water would do to the speed of light - speed it up or slow it down?

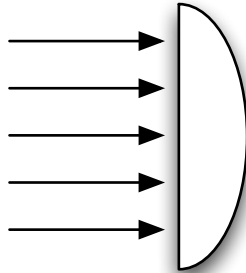
4. Now watch the next part of the video. Sketch the light's path below. Why does it turn, and then turn back?



5. Look closely at the video again. Did the light bend when it hit straight on? Sketch what it did below.



6. Continue watching the video. What happens to the light when it goes through a convex lens? Sketch it below. What is that special spot called?



7. Based on what the lens above did, make a guess about what a concave lens would do. Sketch what you think below.

