



Amazing Arrow

Large rounded rectangular box with a pair of glasses icon on the right side.

On a small piece of paper, draw a horizontal arrow.

You will hold it behind a glass of water and observe what happens.







What do you predict will happen?

Two horizontal lines for writing a prediction.

Try it out! Draw and write about what you observe.

Large empty rectangular box for drawing and writing observations.

Can you explain what happened? Use the words and phrases below to explain your ideas.

light 	bend 	turn 	glass 	water 	arrow 
travel	I noticed..	I think...	This is because...	It happened because...	This made...

Three horizontal lines for writing an explanation.



Amazing Arrow



On a small piece of paper, draw a horizontal arrow.

You will hold it behind a glass of water and observe what happens.

What do you predict will happen?

Try it out! Draw and write about what you observe.

Can you explain what happened? Remember, refraction means that light travelling from air to glass or water changes direction.



Amazing Arrow

On a small piece of paper, draw a horizontal arrow.

You will hold it behind a glass of water and observe what happens.

What do you predict will happen?

Why do you think this will happen?

Try it out! Draw and write about what you observe.

Can you explain what happened? Use your understanding of refraction to explain your thoughts.
