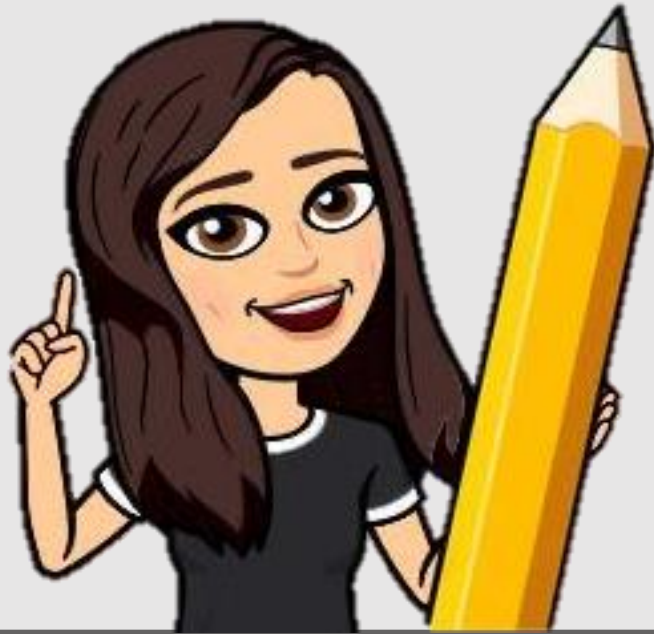




BRITISH SCIENCE WEEK



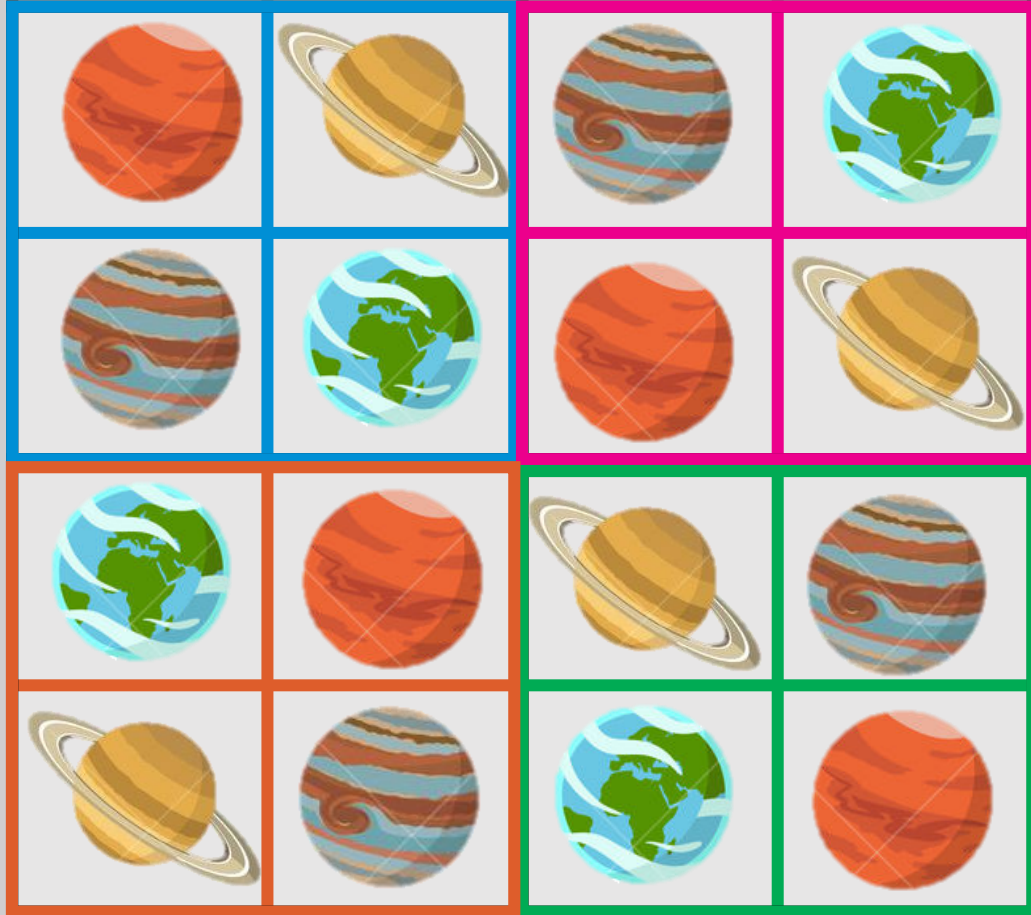
8th – 14th March 2021



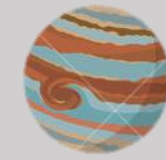
#BSW21 #STEMGlasgow



Let's kick off #BSW21 with an out of this world challenge. Correctly label each of the planets then use them to complete the sudoku grid on the left. Tweet your answer using #STEMGlasgow



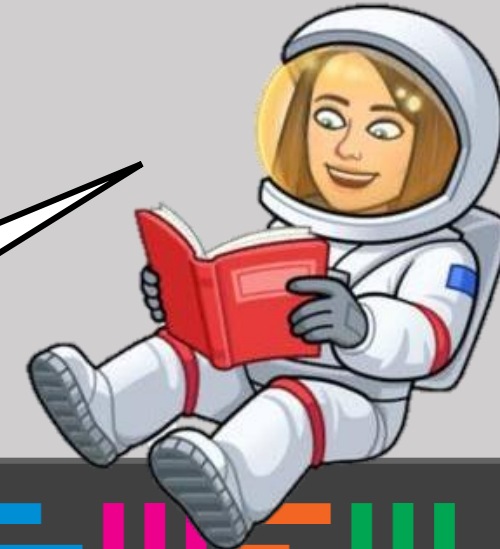








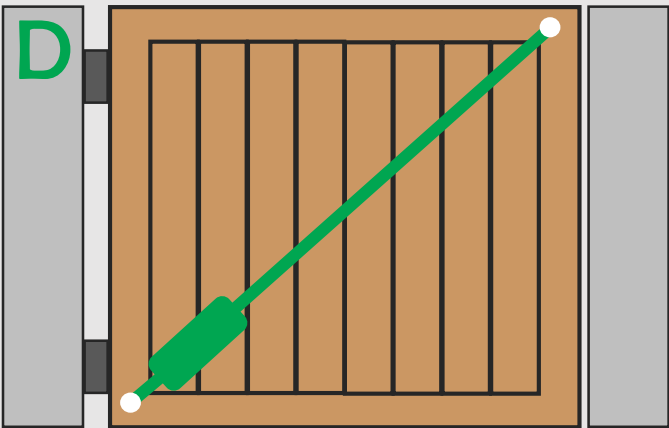
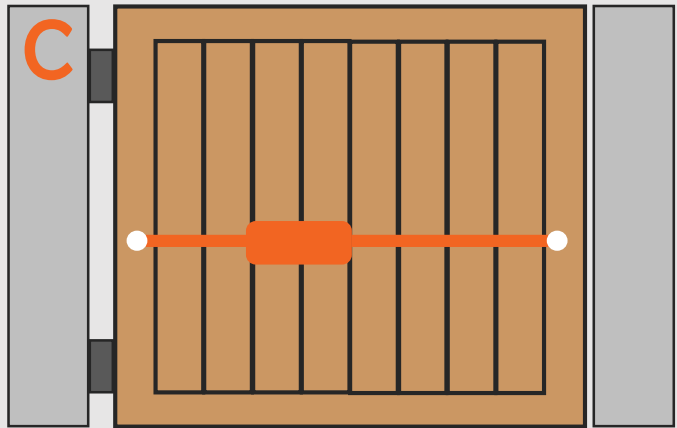
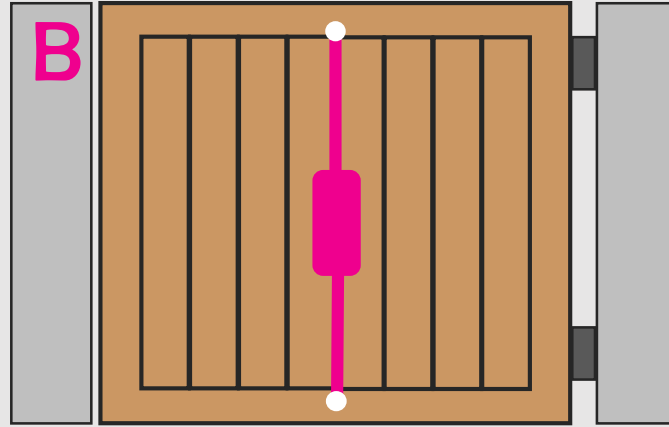
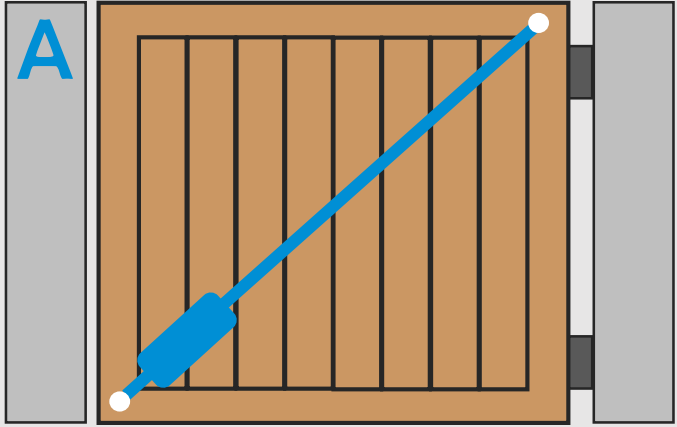
Each row, column and mini grid must contain one of each symbol.



#BSW21 #STEMGlasgow



Critical thinking will be needed to solve this #BSW21 challenge. Which device is best suited to support the gate? Tweet your answer using #STEMGlasgow.



Think about the weight distribution of the gate and where additional support would have the biggest impact

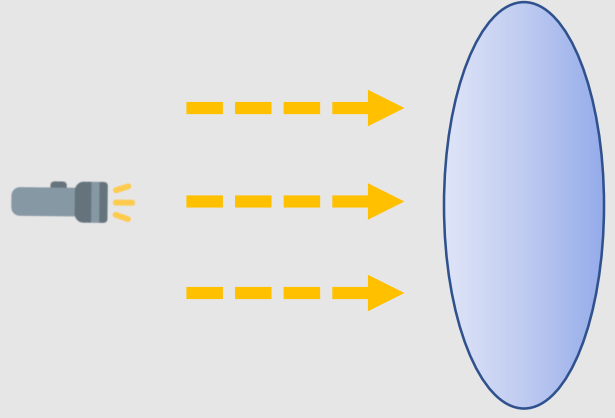


#BSW21 #STEMGlasgow



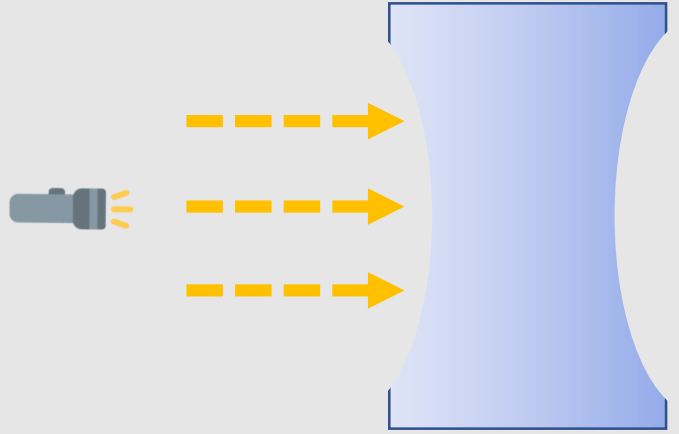
What happens to the light rays from the torch as they pass through each lens? Complete the diagram below, label each lens and tweet your answer using #STEMGlasgow.

Lens type:



How would the light rays travel through each lens?

Lens type:

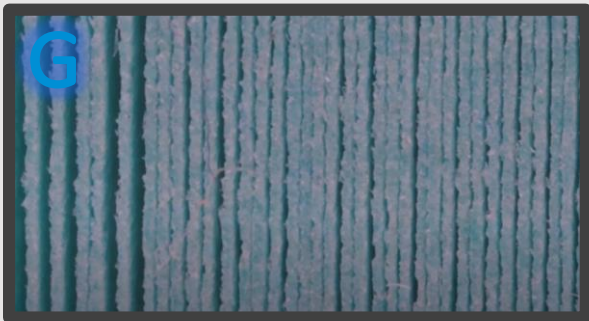
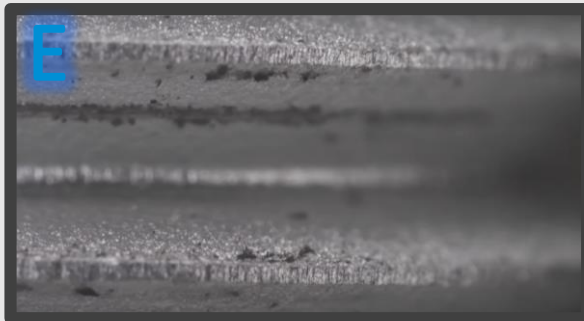
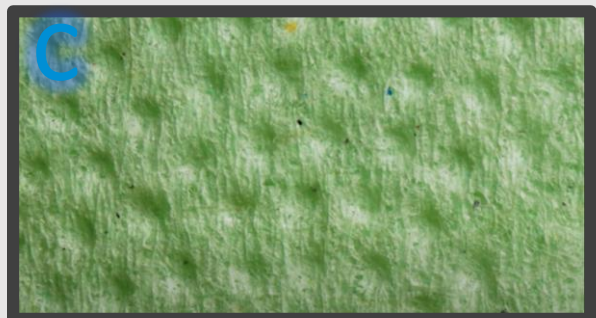
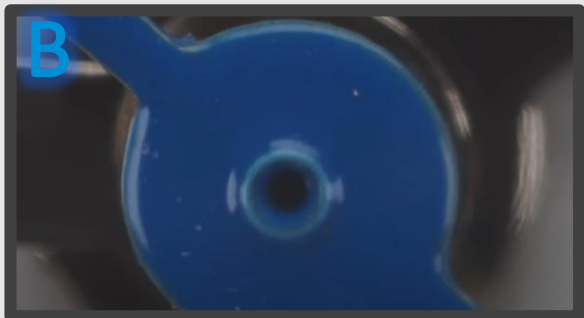
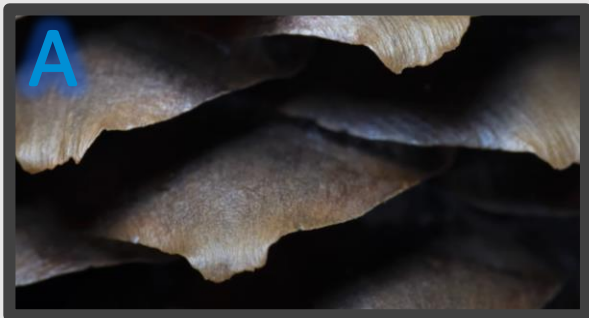


#BSW21 #STEMGlasgow



It's topical science Thursday this #BSW21. Look at the magnified images below and try to work out what they are. Tweet your answer using #STEMGlasgow.

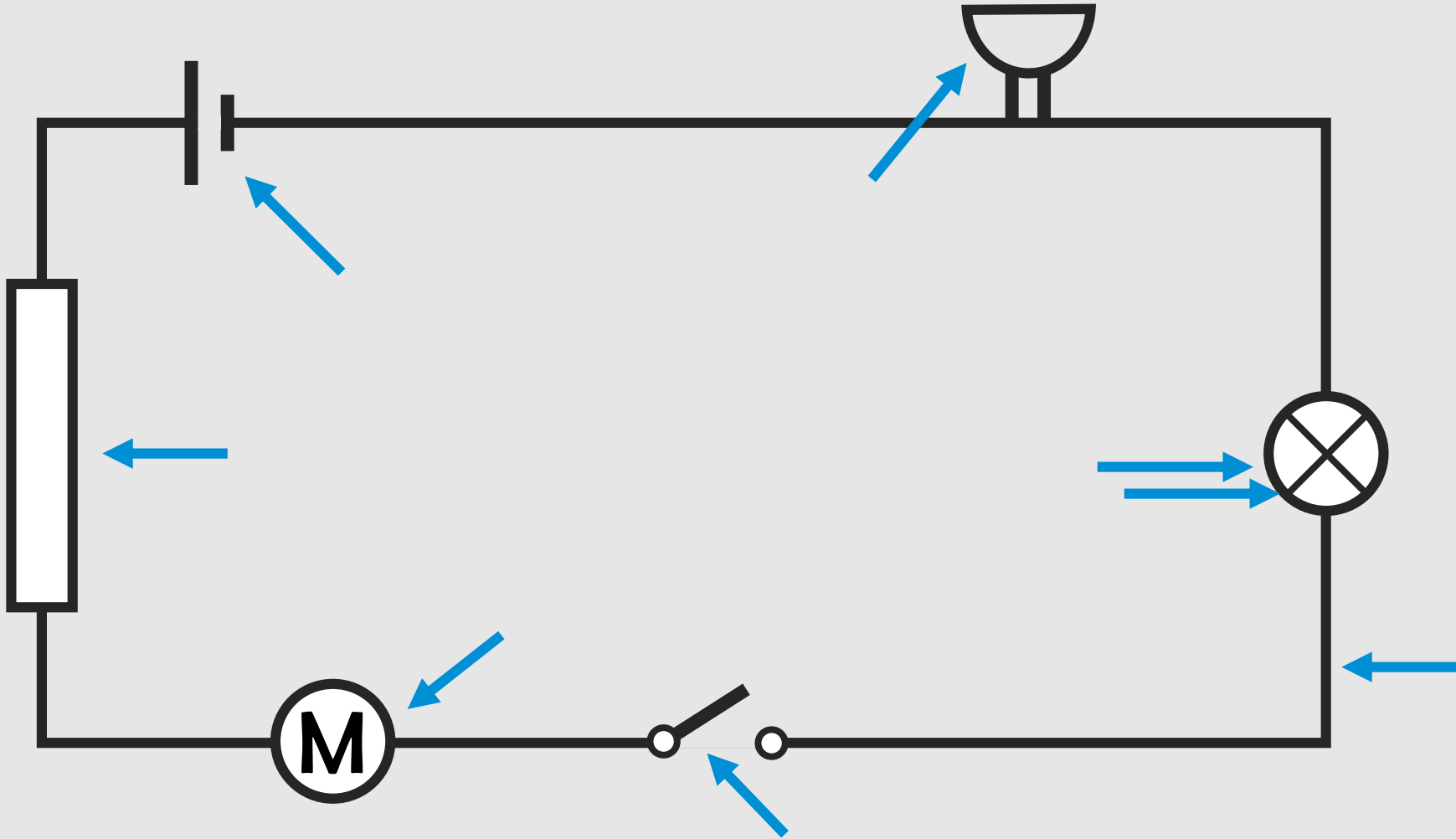
Take a close look and help me work out what is in each picture.



#BSW21 #STEMGlasgow



An electrifying #BSW21 challenge today. Look at the diagram below and correctly label each of the electrical circuit symbols. Tweet your answer using #STEMGlasgow.



There are 7 symbols for you to label. Can you get them all?







#BSW21 #STEMGlasgow












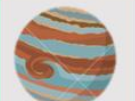






Answers

Challenge 1

A. (sudoku grid is one possible answer)

	Earth
	Jupiter
	Mars
	Saturn

Challenge 2

A. D – D shows the best gate design. Bracing should always ‘lean into the opening’, as the weight of the gate will act downward at the side furthest from the hinge.

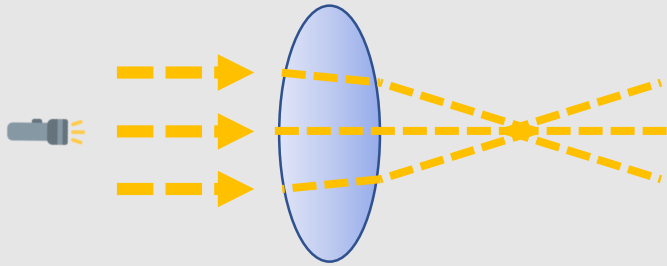


Answers

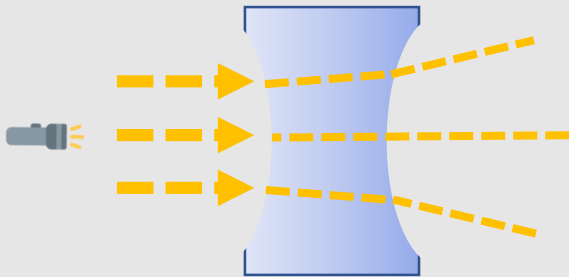
Challenge 3

A.

Lens type: Convex

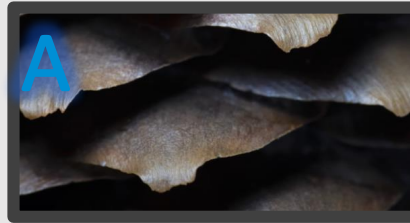


Lens type: Concave

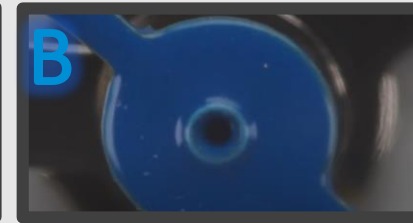


Challenge 4

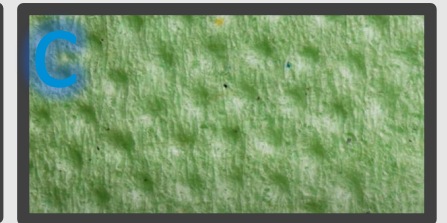
A.



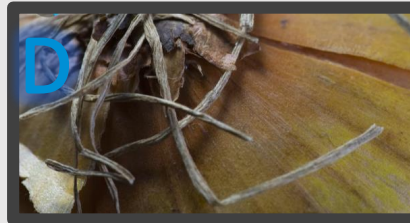
Pine Cone



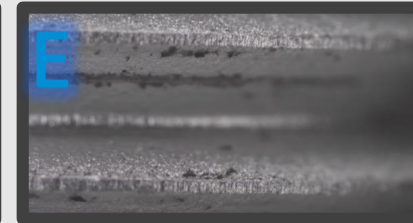
Centre of clock



Toilet Tissue



Onion



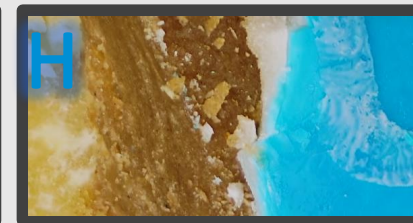
Screw



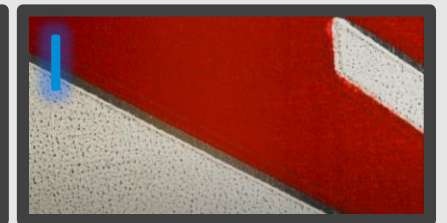
Leaf



Blue Post It Notes



M&M (blue)



Coca Cola Can



Answers

Challenge 5

A.

