## Lab/Web lab

## **Lenses observations**

	slits in the front. Make sur	a solid black piece in the back and use a black piece with 3 e the wings are closed), and place the concave and then the 3 lines- move around until you can identify if the light beams are th each.
	Concave lens observations	
	Convex lens observations	
2.		ok at the object provided on the table. What observations did stance you are looking at the lense to the object- move it closer you notice?
	Concave lens observations	
	Convex lens observations	
3.	Open the following link	

Lenses:							
1. Open <a href="https://www.youtube.com/watch?v=uQE659ICjqQ">https://www.youtube.com/watch?v=uQE659ICjqQ</a> Watch this 7 min video. It will							
help! Note 5 takeaways from the video							
1.							
2.							
3.	3.						
4.							
5.							
<ol> <li>http://www.passmyexams.co.uk/GCSE/physics/concave-lenses-convex-lenses.html</li> <li>Open this tutorial for both convex and concave lenses</li> <li>Convex lens:</li> </ol>							
Draw/ imbed picture:							
Things to remember:							
example 1 summary							
example 2 summary:							
Watch the video on magnifying glasses-summarize							

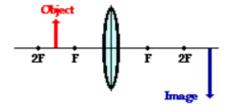
## **Concave lens:**

Draw/imbed picture:	
Things to remember:	

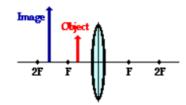
3. Open <a href="http://www.passmyexams.co.uk/GCSE/physics/reflection-and-refraction.html">http://www.passmyexams.co.uk/GCSE/physics/reflection-and-refraction.html</a> summarize how submarines see above the water							
4. Scroll to the bottom and clic <a href="http://www.passmyexams.co.u">http://www.passmyexams.co.u</a>	k next uk/GCSE/physics/use-of-lenses-for-correcting-vision-eyesight.html						
Summarize long/farsighted							
How is it corrected?							
Summarize short sighted							
How is it corrected?							
Questions: - use your friend	google						
How does a telescope work (include what type of lens)							
What kind of lense is our eye?							
How does a microscope work? (include what type of lens)							
A virtual image is formed if to converging lens. (convex) light rays are converging to image is formed. Real image GREATER than one focal length.	m.com/class/refrn/Lesson-5/Converging-Lenses-Object-Image- review of these						

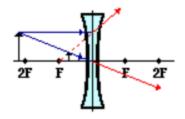
Converging or diverging rays
Image location: Real or Virtual
Image orientation: RSU or USD
Image size: Larger, Smaller or Same

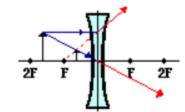
2. Lens type \_\_\_\_\_ Image location: Real or Virtual Image orientation: RSU or USD Image size: Larger, Smaller or Same

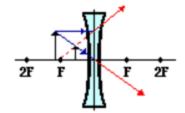


3. Lens type \_\_\_\_\_ Image location: Real or Virtual Image orientation: RSU or USD Image size: Larger, Smaller or Same









4. For all three images below the results are (the object is the tall arrow)

Lens type \_\_\_\_\_

Converging or diverging rays Image location: Real or Virtual Image orientation: RSU or USD

Image size: Larger, Smaller or Same

## Video

Watch Some V-Sauce on Illusions

https://www.youtube.com/watch?v=lw8idyw\_N6Q (10 min)

Observation 1	
Observation 2	
Observation 3	
Observation 4	