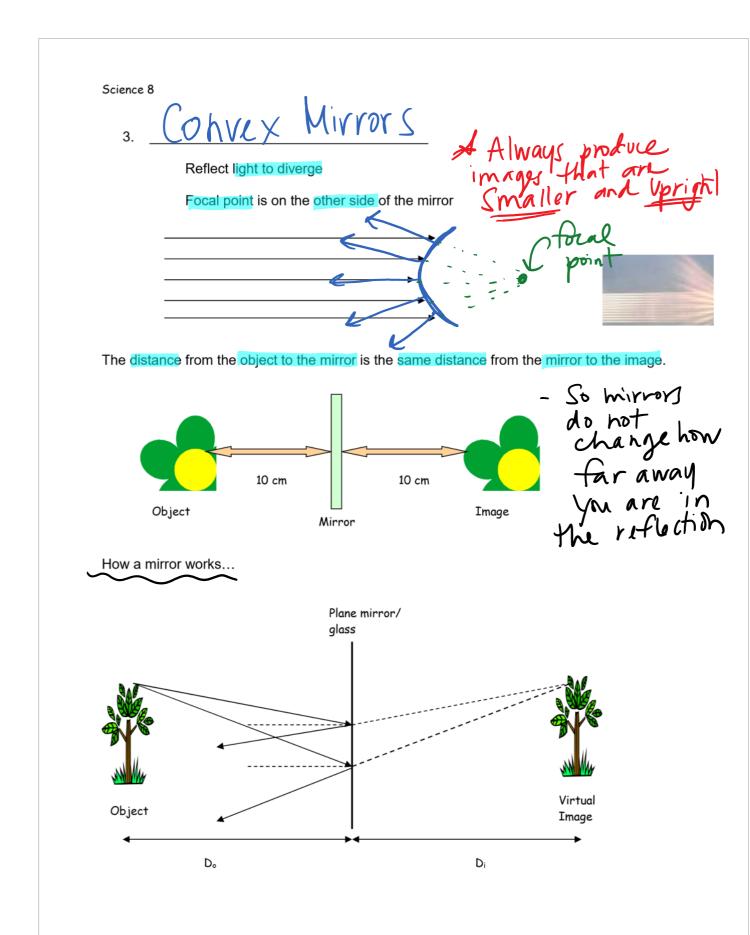
5.2 Notes

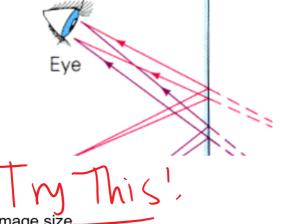
March 31, 2020 9:45 AM

Science 8 5.2: Mirrors and Reflection
Reflected Ray
What is a Mirror?
Anything that Veflects light so that a visible image is produced is
known as a MITTOT
Ex: - windows - Shing metal
Ex: - windows - Shing metal - a Spoon - surface of a puddle
The image produced by mirror is known as a
There are of mirrors we will be looking at:
1. Flat or Plane Mirror Reflect light at the same angle
Reflect light at the same angle law if reflection
2. Concave Mirrors - Gocal Down
Reflect light to converge into a single point called a
Image produced depends on how FATR object is from the mirror.
- wheat
Prays cars mirror curve ("CAVE"

Science 8 Page 1







Concave mirrors - Image size

Read Page 185 about Concave mirrors. Draw and label figures A, B and C. paper 50

You know

how distance

Affects the

Image produced.

В

С

Science 8		+	1.1		• 1.1	
Mirrors Ac	tivity	1 / (1-1	115 '	WITH Ah	and
Looking in	a Flat Mirror	\	O MV	1101		
If you look in you?	a mirror and	blink your rig	ht eye, which	eye of the refl	ected person	will blink back at
This effect is	called lateral	l inversion.				
Finding the	distance to	your image				
		•	ır nose and th ge from the m			g the image of the
	Distance fro	m mirror to im	ror =c nage =c to image =	m		
Image of let	ters					
Write down I	now you think	the images o	of these letters	will look in a	mirror	
R	S	b	е	0	а	у
Look at thes	e images in a	mirror and w	rite down wha	t they actually	look like	
R	S	b	е	0	а	у

The image of your name

Write down your full name in the space below so that it will appear normal when you look at it in the plane mirror. Test it and correct any incorrect inverted letters.

2. Were there any differences between the object and its image in the plane mirror with respect to: (a) size? F Sailboat (b) distance from the mirror? F Sailboat (c) orientation? F Sailboat Sailboat	Science 8 What You See is What You Get!	\ \)	NamePer
2. Were there any differences between the object and its image in the plane mirror with respect to: (a) size? F Sailboat (b) distance from the mirror? F Sailboat (c) orientation?	1. Use a ruler to draw the reflected im	ages of the objects b	pelow.
with respect to: (a) size? F Sailboat (b) distance from the mirror? F Sailboat (c) orientation?			olane mirror
with respect to: (a) size? F Sailboat (b) distance from the mirror? F Sailboat (c) orientation?			
(b) distance from the mirror? F Sailboat (c) orientation?	with respect to:	n the object and its in	mage in the plane mirror
F Sailboat (c) orientation?	F	Sailboat	
(c) orientation?			
		Sailboat	
F Sailboat			
	F	Sailboat	

9:45 AM

Science 8	Try	7	KIS		
Reading With a Mirror	•		Name		
_		Date		Per	

Use a mirror to read the three messages below. Then answer the following questions.

Image A

What is the main difference between an object and its reflection in a plane mirror?

?egami rorrim a siht sl Image B **?ereh deneppah thaW**

- Image C
- 1. Which of these images is a true reflection in a plane mirror?
- 2. How were the other images made?
- 3. Consider all of the letters of the alphabet. What capital letters look the same when they are reflected in a mirror?

dentifying Mirrors	NamePer
dentify the type of mirror (plane, convex, or cor he line provided. 1. Bathroom wall mirror	ncave) used in each situation below. Write your answer
Purpose: to show your exact appearance Type of mirror:	2. Car headlights and flashlights Purpose: to project a strong beam forward Type of mirror:

5. One-way mirror

Purpose: to show a wide view Type of mirror:



Purpose: to see into a brightly lit room; looks like a mirror to the people being observed

Type of mirror:

6. Car mirror

your face.



Purpose: to show a magnified view of parts of

Type of mirror: _____

Purpose: to show a wide-angle view behind and

beside the car
Type of mirror: _____

7. Dental mirror



Purpose: to make teeth visible and to

magnify them
Type of mirror:

8. Reflecting ball at a dance



Purpose: to project portions of lights hitting it in

many different directions

Type of mirror: