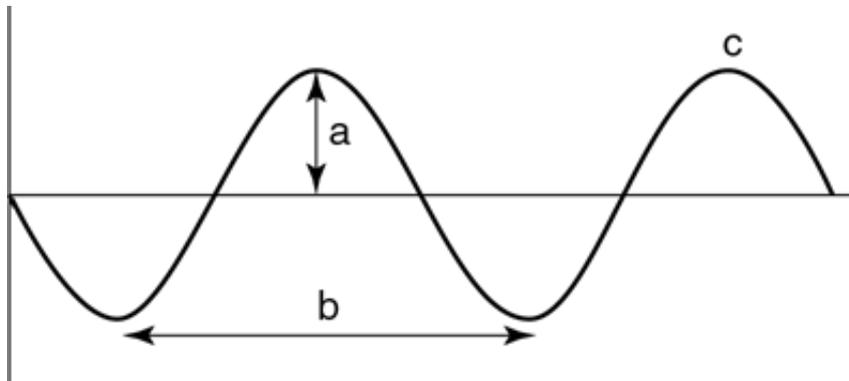


Revision waves Light and sound They are to revise using the revision sheet we completed in class, in preparation for an end of unit test the first lesson back over half term.

There are two types of waves what are they called and where are they found?

---

---



Label a, b and C on the wave.

What does the law of reflection in a plain mirror state?

---

---

---

When two waves meet they pass through each other, they can then either:

(Cross out the wrong ones)

Super Position addition – This is a constructive/destructive wave- two waves combine and - make a bigger wave- cancel each other out.

Super Possition Cannelleing – This is a constructive/destructive wave- two waves combine and - make a bigger wave/ cancel each other out.

Explain why if you remove all the air from a clear plastic tube and create a vacuum, you can see the something when it is shaken, but you cannot hear it.

---

---

---

---

Sound waves are caused by objects that vibrate. For each object or sound, state what is vibrating to produce the sound.

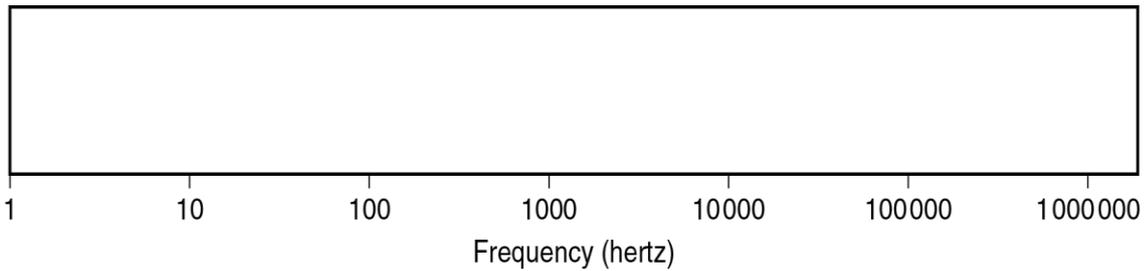
person talking: \_\_\_\_\_

Violin \_\_\_\_\_

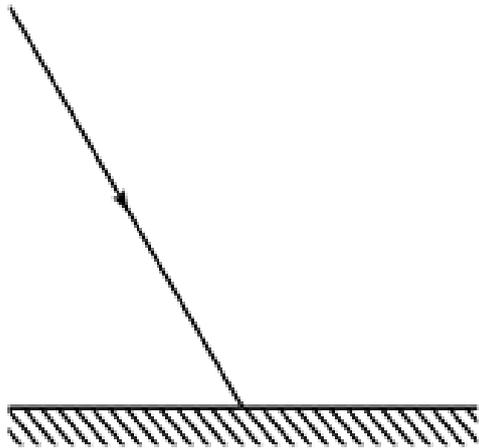
headphones: \_\_\_\_\_

Revision waves Light and sound They are to revise using the revision sheet we completed in class, in preparation for an end of unit test the first lesson back over half term.

Research the frequency of different waves and add labels of what sound waves



incident ray



mirror

occur at each frequency.

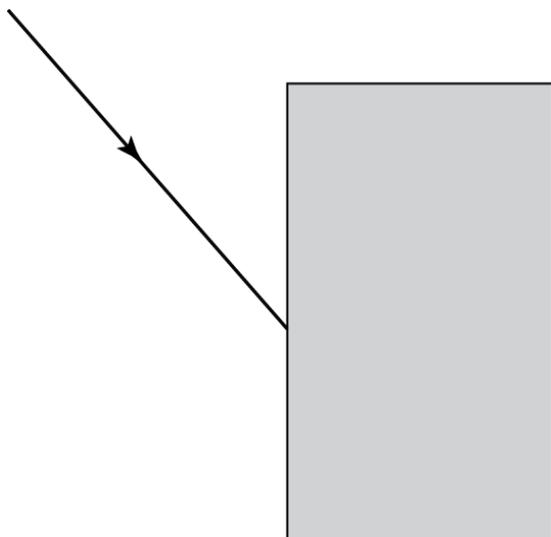
When light rays are shone onto a flat mirror, they are reflected. Draw the 'normal' line on the diagram below, and then the reflected ray. Label the angle of incidence and the angle of reflection.

Explain why you can see your reflection in a mirror but not in a sheet of white paper.

---

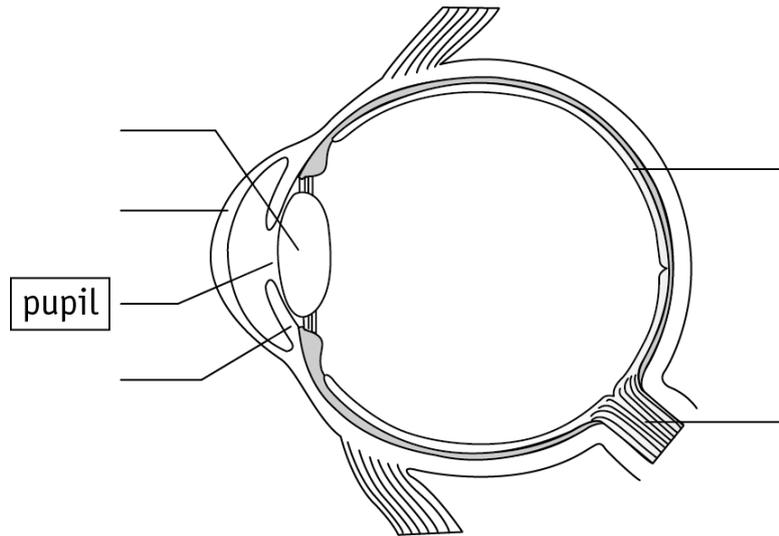
---

---



In the diagram below, a light ray is about to enter a glass block and refract. Draw light rays to show the direction that the ray of light travels as it passes through the block and what happens to it when it leaves the block.

Revision waves Light and sound They are to revise using the revision sheet we completed in class, in preparation for an end of unit test the first lesson back over half term.



Label the diagram of the eye.

Colour of object	Colour of light shining on it	Colour that the object appears
green T-shirt	white	
green T-shirt	green	
green T-shirt	red	
white jumper	white	
white jumper	green	
white jumper	red	
blue hat	red	
blue hat	cyan	
magenta gloves	white	
magenta gloves	blue	