

Keyword Taboo

Choose whether you are Person 1 or Person 2. **Only open the flap for the one that you have decided to be.** You must explain to your partner the words that are under your flap. Your partner must guess each time. After, swap around.

Person 1	Person 2
Solution	Element
Solute	Fractionating Column
Solvent	Chromatography
Compound	Soluble

Reproduction

In pairs, suggest and write down 3 things that are similar and 3 things that are different between plant and human reproduction

Energy and Density

1. In pairs, discuss the sequence of energy types and transfers that take place between the sun and someone jumping up and down. When you have agreed. Write this down in your books.
2. Explain, using the words “volume” and “mass”, why 100g of salt is more dense than 100g of water. Write this down.



Digestion

- Explain in your pair, the journey that a hamburger takes as it travels from your mouth to your anus.
- Draw a flow chart in your books and label where enzymes have helped digest it and where absorption has occurred.

Draw a graph from the following table of results about the time taken for ice-cream to melt when different temperatures of chocolate sauce are poured on it

- Don't forget labels and units!

Temperature of chocolate sauce (degrees Celsius)	Time taken for ice cream to melt (seconds)
15	60
20	50
25	40
30	30
35	20
40	10
45	0

Chromatography

- Draw a sketch of an imaginary chromatography experiment:

Your diagram must show:

- There are three original dyes (brown, red and blue) placed on the pencil line
- The brown contains 3 different colours
- The red is the most soluble
- The blue contains one of the same colours as red

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Person 1	Person 2
Upthrust	Streamlining
Weight	Water resistance
Newton	Salt water
Friction	Density

Virtual Image Observed by Refraction

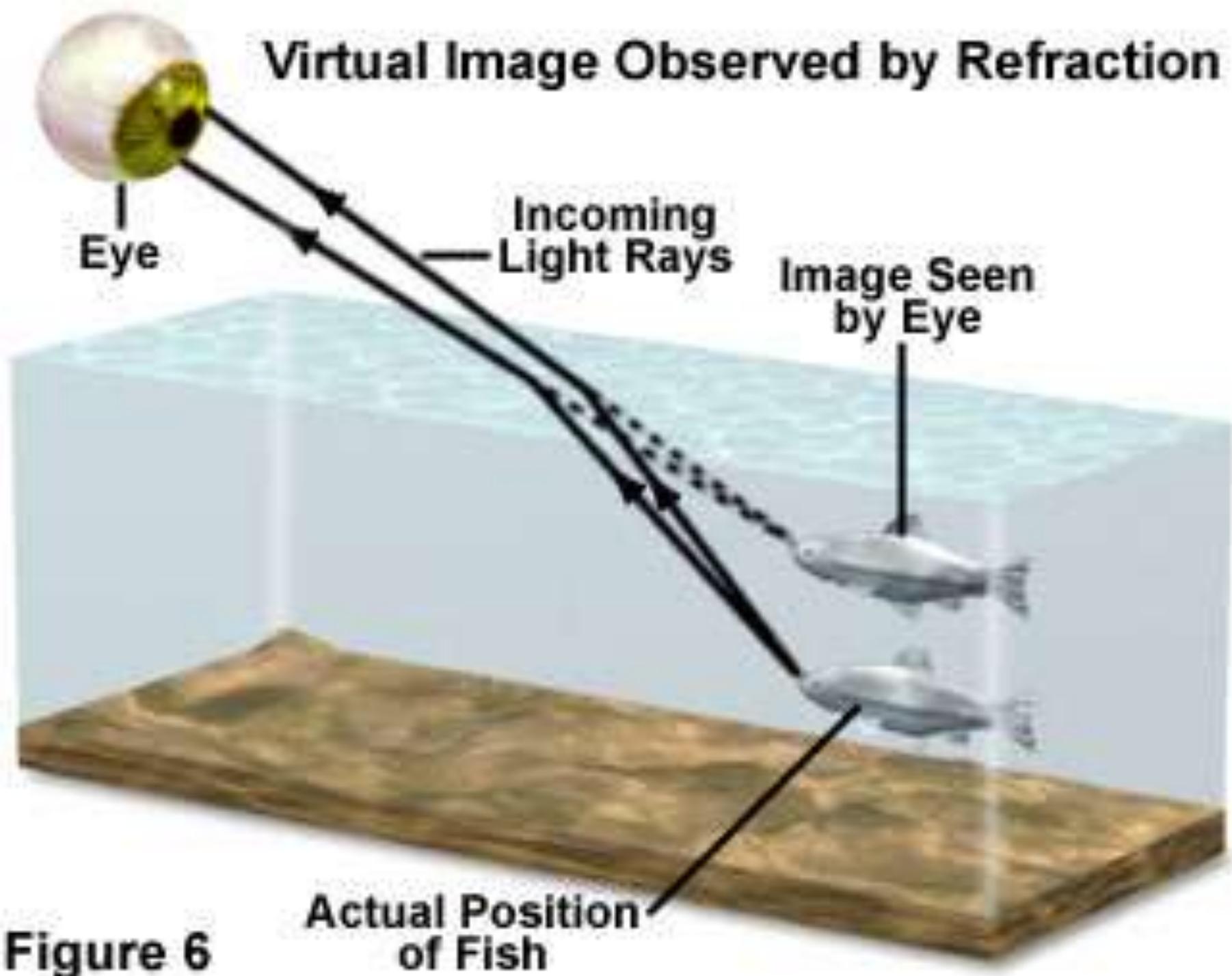
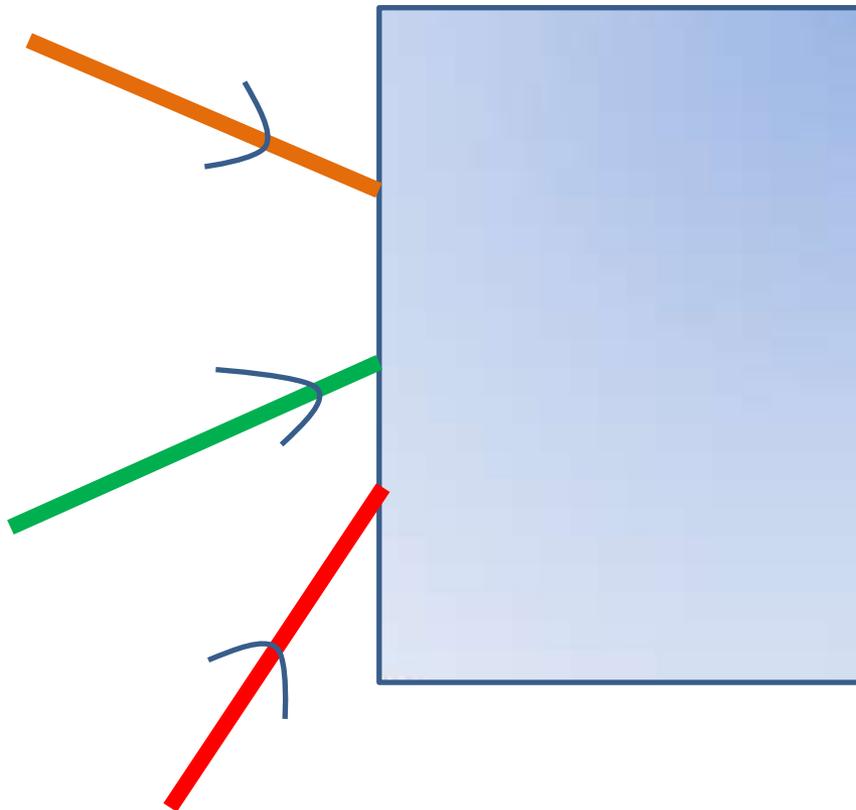


Figure 6

Refraction

Draw a square on your paper and imagine it is a glass block.

Draw the route of 3 rays of light travelling through it



ANSWER THIS QUESTION:

When light speeds up, which way does it bend? Which way does the light bend when it slows down?

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Evaporation	Tendon
Condensation	Ligament
Sublimation	Antagonistic
Freezing	Biceps

Gas and Water Tests

Draw a table to illustrate how you would test for the following:

Substance	Experiment	Result
Oxygen		
Carbon dioxide(1)		
Carbon dioxide(2)		
Hydrogen		
Water		

Combustion

- Look at the candle

Write down what the reactants of burning the candle are (i.e. what is needed for the burning to take place) and write down what the products are.

Write out a word equation for this.

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Person 1	Person 2
Magnesium	prism
Hydrogen	red
Carbon dioxide	violet
Oxygen	Magnesium oxide

Draw a sketch graph of temperature against time in your books.

Imagine you are drawing a graph to show the temperature of a piece of ice melting into a water. Draw the line of temperature against time on the graph.

Use page 153 of the books to help you

