

Light: reflection, refraction and magnification

energy-forces

What you need: small hand mirror · torch · clear plastic cup or drinking glass · opaque mug or cup · coin (1c or 2c) · pencil · hand magnifier · clear plastic sheet or cling film square · water dropper or pipette · small-print strip · paper target with a large X · jug of water · books or blocks to prop mirrors

Words to use

Reflection · Refraction · Magnification

Our question

What does light do when it hits a mirror, when it goes into water, and when it passes through a lens?

I predict...because...

How many times bigger? (in times)

Lens	Times bigger

Draw a bar chart of our results



Lesson 22

Draw and label what you see

Labels I used

Where did the light bounce, and how did you steer it?

What looked bent or shifted in water, and what stayed the same in real life?

Which lens made the print look bigger, and by roughly how many times?

