

Convex and concave lenses

This task is about how concave and convex lenses work.

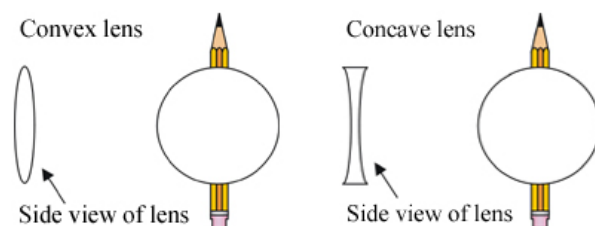
Two types of lenses are concave and convex.

- a) Predict what you think will happen when each lens is held about 5cm above a pencil as illustrated in the diagram below.

Prediction:

Convex lens:

Concave lens:



- b) Now collect the lenses and try this out. Draw your results on the diagrams above.
- c) In terms of light rays, explain what happens for each lens.

Convex lens:

Concave lens:

- d) Name or describe a practical situation where each lens could be used.

Convex lens:

Concave lens:
