**Student’s Copy**

Thin converging lenses have many uses. They are found in LCD projectors, cameras, telescopes and magnifying glasses. Yet, the images produced by the lenses in these objects are different. Some are diminished, inverted and can be captured on a screen. Others are magnified, upright and cannot be captured on a screen?

What causes the images formed by converging lenses to be different?

Attempt this quiz to

1. construct ray diagrams to locate where an image is formed by a converging lens
2. see the effect of the changing distance between the object and lens on the type of image formed
3. associate real life applications of the lenses to the image characteristics and the object distances

Take note of the:

* what happens to light rays that pass through the (optical) centre of the lens
* what happens to light rays that pass through the focal point of the lens
* what happens to light rays that are perpendicular to the lens

**Instructions for starting the simulation on Human Digestive System:**

1. Internet access is required to run this quiz.
2. Download the an unzip the file
3. Click on index.html to start the quiz