Adam-Carr, C., Gabber, M., Hayhoe, C., Hayhoe, D., Hayhoe, K., LeDrew, B., Sanader, M., 2010. **Science Perspectives 10,** Nelson Education Ltd., Toronto, pp. 553

CHECK YOUR LEARNING

1. Why is a knowledge of lenses important even if you do not require glasses? A
2. What is the difference between a converging lens and a diverging lens? Mention the paths of light rays in your explanation. K/U
3. (a) How many refractions actually occur as a light ray travels through a lens? Identify the locations of these refractions on a diagram.
   (b) Why is it possible to simplify the number of actual refractions in a lens down to one refraction at a central line through the optical centre? K/U
4. Can a converging lens have more than one focus? Explain. K/U
5. You are given two lenses, a converging lens and a diverging lens. Can you tell them apart just by feeling their shape? Explain. K/U
6. (a) On what side of a converging lens is the principal focus located? Explain.
   (b) Where is the principal focus of a diverging lens located?
   (c) Why is a diverging lens different from a converging lens? K/U