Section 6.1
Human Vision
Study Notes

By the end of section 6.1 you should be able to understand the following:

- ❒ Light is detected by the eye using the cornea-lens-retina system.
- ❒ Rod cells detect dim light but are not sensitive to colour.
- ❒ Cone cells dominate in bright light and distinguish between colours.
- ❒ Vision deficiencies include near-sightedness, far-sightedness, astigmatism, and deficiencies in distinguishing between different colours.

NOTES

Describe how light enters the eye and ends up as electrical signals transmitted to the brain.	1. 2. 3. 4.

NOTES

Describe how an image is formed on the retina, and what a blind spot is.	1. 2. **Do the Reading Check on page 205**
What is the role in vision of rod and cone cells?	1. 2.

NOTES

Describe how light rays behave in normal eyes, near-sightedness, far-sightedness, and astigmatism.	1. 2. 3. 4.
List the different types of blindness.	1. 2. 3. 4.

Do the Reading Check on page 210