

# Get Ready for Unit 4

## Concept Check

- Examine the illustration below, and answer the following questions in your notebook.
  - Identify two sources of natural light and two sources of artificial light.
  - Name one source of natural light that is not shown in the illustration.
  - Name three sources of artificial light that are not shown in the illustration.
  - Identify six objects that reflect light.
- Light is a form of energy, and it has specific properties. In your notebook, complete each sentence with a word from the box.

colours	prism	refracts
light	reflects	straight

- White light is made up of many \_\_\_\_\_.
- A \_\_\_\_\_ can separate light into colours.

- Light travels in a \_\_\_\_\_ path in one medium.
- Light \_\_\_\_\_ off shiny surfaces.
- Light \_\_\_\_\_ when passing from one medium to another at an oblique angle.

3. In your notebook, match each word listed below with its correct definition.

- |            |                |                  |
|------------|----------------|------------------|
| i. optical | ii. opaque     | iii. transparent |
| iv. light  | v. translucent |                  |

- energy that can be detected by the human eye and that makes objects visible
- a property of a material that prevents light from being transmitted through the material
- a property of a material that allows light to be transmitted through the material but causes sufficient diffusion to prevent clear images from being formed
- a property of a material that allows light to be transmitted through the material, producing images that are distinct and clear
- related to vision or the transmission of light

