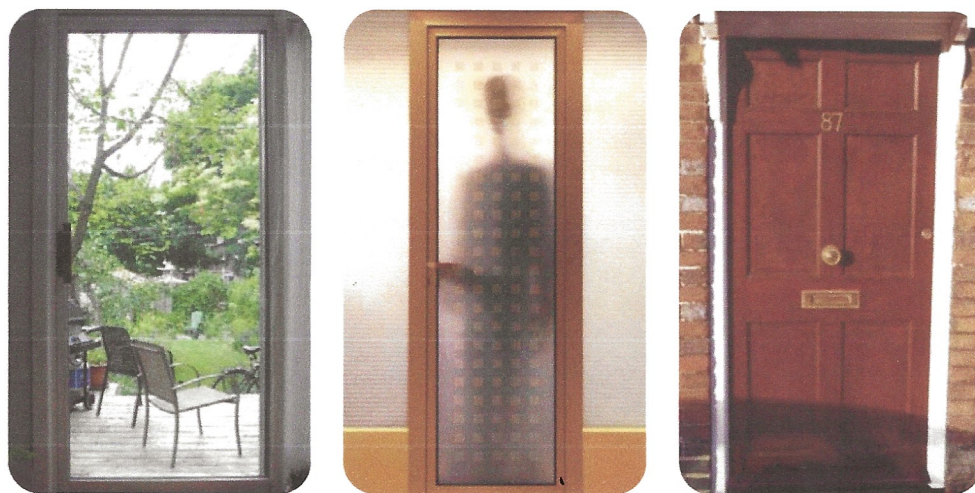


# Light Behaves in Different Ways in Different Materials



▲ What happens to light when it reaches each of these doors?

Some materials let light pass right through. We say that these materials **transmit** light. Which of the doors shown above can transmit light?

## Transparent, Translucent, Opaque

### Learning Tip

Use the photos to help you remember new words. Identify the correct vocabulary word for each door.

Materials that you can see clearly through because they transmit light are called **transparent** [trans-PAIR-uhnt]. Water and air are transparent. Clear glass and coloured cellophane are also transparent. Transparent materials are used for things that you can see through, such as windows and sandwich bags. Which door is transparent?

Materials that transmit some light but that you cannot see objects clearly through are called **translucent** [trans-LOO-sunt]. Frosted glass and plastic milk containers are translucent. Which door is translucent?

Materials that transmit no light are called **opaque** [oh-PAKE]. Opaque objects block all light and create shadows. Cement and wood are opaque. Many fabrics are also opaque. Blue jeans and fleece jackets are opaque. Which door is opaque?