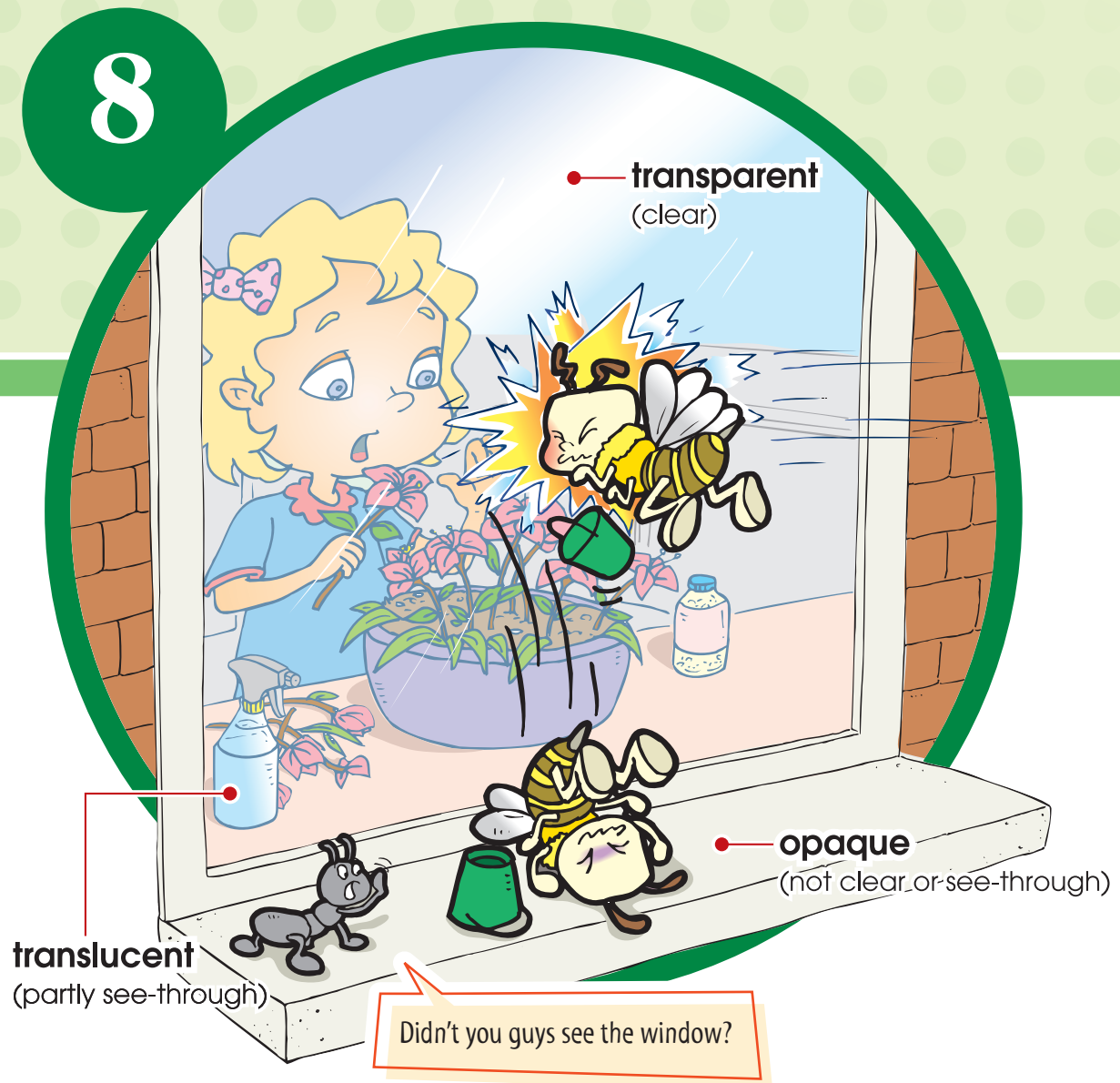


# Transparency

8




## In this unit, students will:


- describe how different materials affect light.
- understand the meanings of transparent, translucent, and opaque and identify materials with these properties.
- decide what types of materials we need to fit different situations.
- understand how opaque materials absorb light and cast shadows.
- draw the shadows of different objects.


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**A. Describe how different materials affect light. Fill in the blanks with the given words.**

absorb      bend      reflect

1.  Water and glass \_\_\_\_\_ light as it passes through them.

2.  Wood and rocks \_\_\_\_\_ light. They do not let light pass through and they do not reflect light.

3.  Mirrors and polished metals \_\_\_\_\_ light.

**B. Fill in the blanks and identify the materials with the given words. Then decide what type of material each person needs.**

opaque      transparent      translucent

1. Material that light can pass through easily is \_\_\_\_\_ .

2. \_\_\_\_\_ material allows some light to pass through, but not enough to see through clearly.

3. \_\_\_\_\_ material does not let light pass through it at all.