

Transparency and Opacity Reading Guide

26.4 Transparent Materials

1. What does it mean to say that an object is *transparent* to a certain type of light?
2. How does the concept of *resonance* apply to whether an object is transparent or not?
3. Why does light travel more slowly through materials than through a vacuum?

26.5 Opaque Materials

4. What does it mean to say that an object is opaque to a certain type of light?
5. Why are metals opaque?