

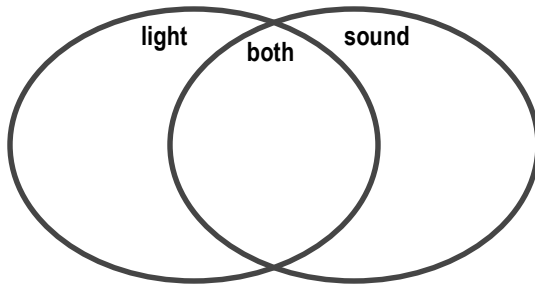
SOL5.3 Write (O)paque, (T)ranslucent, or (C) for Transparent beside each item. **Day 1**

____ plate ____ clear saran wrap ____ tissue paper
____ stained glass window ____ car window ____ book
____ clean water ____ brick wall ____ muddy water

Your examples:

Opaque: _____ Translucent: _____ Transparent: _____

SOL5.3 Complete the Venn Diagram by writing the numbers in the correct location: **Day 2**



1. Travels in waves
2. Compression waves
3. Transverse waves
4. Form of energy
5. Energy we can hear
6. Energy we can see
7. Moves up and down
8. Moves back and forth

SOL5.3 **Day 3**

Explain why light can move through a vacuum and sound cannot.

Give an example of light waves that move through a vacuum.

SOL5.3 Nancy is wearing a red sweater. Outside it is very bright, but when she goes inside her tree house, the sweater isn't as bright. Which of these statements explains what is happening? **Day 4**

- There is less light to refract the red wavelengths.
- There is less light to reflect the red wavelengths.
- There is more light to refract the red wavelengths.
- There is more light to reflect the red wavelengths.

SOL5.3 **Day 5**

It's a cloudy, overcast day and Tony is bored. He rummages in a box and finds a prism. He decides to go outside and use the prism to refract the sun's rays. After a few minutes, he gives up and goes back inside. Why did he give up?