PART 1: VISIBLE LIGHT AND COLOR

*Use this picture to explain how Martha Elizabeth sees the outside of her house as yellow.*

Step 1: Light from the sun
________________________________________________________________________________________
________________________________________________________________________________________

Step 2: The house absorbs ____________
________________________________________________________________________________________
and reflects ____________________________________________________________________________

Step 3: _______________________________________________________________________________
________________________________________________________________________________________

The video showed examples where light waves were reflected, as well as instances in which light waves were refracted.

Describe an example of light waves being reflected.
________________________________________________________________________________________

Describe an example of light waves being refracted.
________________________________________________________________________________________

PART 3: TRANSPARENT, TRANSLUCENT AND OPAQUE

Different materials react differently to light waves. The following materials were shown in the video.

*Label each material as being “transparent”, “translucent”, or “opaque”.*

1. The oiled paper used in the Illumination: ___________________________
2. The window in front of the tub of water: ____________________________
3. The materials used to construct the walls in the attic: _________________________