

Bill Nye the Science Guy
Light & Color

Name _____ Date _____ Class _____

As you view the video, answer the following questions.

- 1- _____ light is a mixture of all the colors of the rainbow.
- 2- When white light passes through a _____ it breaks up into the color spectrum.
- 3- The orange fruit looks orange because it _____ the color orange and _____ all the other colors.
- 4- Why does a black cloth feel warmer in the sun?
- 5- The neon in the tubes lights up because the electricity _____ the particles (electrons) in the neon gas.
- 6- Red absorbs all colors except _____.
- 7- _____ reflects all colors.
- 8- The color of an object is the color of the light it _____.
- 9- _____ light is long, slow waves.
- 10- _____ light is fast, short waves.
- 11- Why is the sky blue? _____ light gets scattered a lot more than _____, so the sky appears blue.
- 12- The water reflects the light from the sky so on a clear day, bodies of water appear _____.
- 13- White objects _____ all colors. Black objects _____ all colors.

