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**2.5 - Waves and Mediums**

1. What is the difference between light waves and mechanical waves?

2. How does light waves allow us to see?

3. Give an example of a reflection of a wave.

4. How is sound defined?

5. What does “transmit sound” mean?

6. What are the longest and the shortest wavelengths of light?

7. How is light transmitted through a prism?

8. How is wave energy “absorbed”?

9. Draw a diagram how light is absorbed, transmitted, and reflected.

10. Why do we see lightening before we hear thunder?

11. Explain the relationship between sound waves and states of matter.