

1 2 3 4 5 6

Jigsaw Ch 27 – Light, Version A

Answers can be found by reading ch 27, section 2, 3.

1. What is an electromagnetic (EM) wave?
2. What is the source of EM waves?
3. What types of waves are in the electromagnetic spectrum?
4. Which type of EM wave has the longest wavelength?
5. Which type of EM wave has the highest frequency?
6. Which type of EM wave has the most energy? What is the relationship between energy and frequency?
7. Which color of visible light has the longest wavelength? Describe its frequency and energy.
8. Which color of visible light has the shortest wavelength? Describe its frequency and energy.

Jigsaw Ch 27 – Light, Version B

Answers can be found by reading ch 27 section 2, 4, 5 and ch 26 sections 3, 4.

1. What is the speed of light?
2. What does transparent mean? Give an example of this type of material.
3. What does translucent mean? Give an example of this type of material.
4. What does opaque mean? Give an example. Give an example of this type of material.
5. Do light waves travel the same through everything?
6. Do sound waves travel the same through everything?
7. Do light waves need a medium to travel through? Explain.
8. Do sound waves need a medium to travel through? Explain.