

Name: _____

Period: _____

HW Unit 10:7—Light
Mr. Murray, IPC
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A-day: Due Mon., 5/7 (Assig: 5/4)
B-day: Due Tues., 5/8 (Assig: 5/4)

1. What is the speed of sound?
 2. What is the speed of light?
 3. Is light fast?
 4. Is light a wave or a particle?
 5. How do you know?
 6. Can sound travel in space?
 7. Can light travel in space?
 8. When an electron raises from low to high energy levels is light produced?
 9. Where does light come from?
 10. When sunlight passes thru a prism, what happens?
 11. Which travels faster: radio waves or ultraviolet light?
 12. Which has more energy: x-rays or microwaves?
 13. Which has more energy: blue light or red light?
 14. Which has a higher frequency: gamma rays or visible light?
 15. Which has a longer wavelength: infrared or radio waves?
 16. Why do radio tower antennas have to be so long?
 17. What do scientists call all light (visible and invisible)?
 18. Why is the sky blue?
 19. *From your book:* What is a sonogram?
 20. How does a sonogram work?
 21. What are seismic waves?
 22. What are p-waves?
 23. Are seismic waves transverse or longitudinal waves?
 24. What is an epicenter?
 25. Two seismic stations record an earthquake. Station 1 records the earthquake's wave 20 seconds before Station 2. Was the epicenter of the quake closer to Station 1 or Station 2?
 26. Why?
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