

SEM I Final WAVES Review ANSWERS

1. energy
2. matter through which a wave travels
3. no b/c it is electromagnetic
4. wavelength decreases
5. bending of light
6. see p. 466: visible light, microwaves, radiowaves, ultraviolet rays, etc...
7. absorption and reflection of color
8. vacuum b/c nothing there to slow it down
9. particles move perpendicular to the wave
10. transverse
11. squeeze together then push apart
12. increases
13. the return of a wave
14. bending of the wave around an object
15. B
16. E
17. A
18. parallel
19. crest, trough
20. yes b/c it's mechanical
21. up and down
22. longitudinal
23. amplitude
24. earth
25. the peak of a wave

1. 2m
2. 2s
3. 0.5 Hz
4. 4m
5. 0.25 Hz
6. 4s
7. 3m
8. 6m
9. 1m
10. 2m
11. 1 Hz
12. 1s
13. 24m
14. 0.5s
15. 0.5 m