

Mark schemes

1. D
70° [1]
2. C
using monochromatic light of higher frequency [1]
3. C
433 nm [1]
4. B [1]
5. A [1]
6. C [1]
7. D [1]
8. B [1]
9. A [1]
10. A [1]
11. C [1]
12. D [1]
13. D [1]
14. A [1]
15. C [1]
16. C [1]

17. D

[1]

18. B

[1]

19. C

[1]

20. A

[1]