

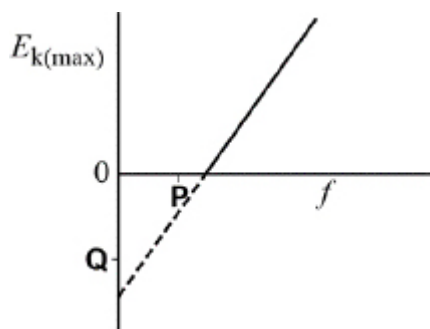
Mark schemes

1. A

$$0.3 \times 10^{-19} \text{ J}$$

[1]

2. C



[1]

3. B

$$3.3 \times 10^{-19} \text{ J}$$

[1]

4. D

It emits photons of UV light following ionisation or excitation.

[1]

5. C

$$1.6 \times 10^{-18} \text{ J}$$

[1]

6. B

muon electron

[1]

7. A

[1]

8. A

[1]

9. B

[1]

10. D

[1]

11. A

[1]

12. D

[1]

13. C

[1]

14. C

[1]

15. D

[1]

16. A

[1]

17. C

[1]

18. A

[1]