

2021 BirdSO Science Quiz Bowl Division C – Buzzer Round [ANSWER KEY]

1. electron
2. Carboniferous Period
3. Gamma
4. Beta hairpin [do NOT prompt on beta turn]
5. Wadati-Benioff zones/regions (accept Benioff-Wadati zones/regions, Benioff zones/regions, Benioff seismic zone/region)
6. Maxwell Demon's Experiment
7. Legendre [accept Adrien-Marie Legendre]
8. F-type channel (prompt on answers indicating an ion channel, accept Funny channels)
9. Globular Clusters (Prompt on Star Cluster)
10. phenolphthalein [or HIn (hin) | Prompt on phthalein dyes]
11. Milankovitch Cycles
12. Diffie-Hellman (Key Exchange)
13. Pantothenic Acid [Accept B5, Phosphopantetheine]
14. Temperature
15. RuBisCO [Accept Ribulose-1,5-bisphosphate carboxylase-oxygenase]
16. AND [accept conjunction]
17. esters
18. Albedo
19. Grignard [accept Grignard Reagent]
20. T (wave)
21. Operational Amplifier [Accept Op-Amp]
22. Nitrogen Fixation [Accept Diazotrophy until mentioned]
23. Index of Refraction (or refractive index, don't accept refraction)
24. pancakes
25. aldehydes
26. plastiglomerates [accept descriptions indicating rocks with plastic in them]
27. iodine [or I]
28. serine [or Ser; accept S before mention]
29. eigenvalues [prompt on lambda before mention]
30. transition states [accept activated complex]
31. vortices [accept word forms; anti-prompt on gyre, whirlpool, cyclone, etc.]
32. solitons [or solitary waves; generously prompt on waves before mention]
33. dissolved oxygen [or DO; prompt on oxygen]
34. UV-vis spectroscopy [accept spectrophotometry and colorimetry; prompt on spectroscopy alone]
35. Boltzmann factors
36. alloys [accept solid solutions; prompt on solutions, admixtures, binary systems, etc.]
37. evapotranspiration [or ET; accept water loss before mention; prompt on evaporation and transpiration]
38. clathrins
39. total internal reflection [prompt on reflection]
40. mu
41. Wolf-Rayet stars [or WR stars; generous]
42. Pseudomonas
43. virtual
44. 3D printers [prompt on printers]

45. **memristors**
46. **California**
47. **eight**
48. **island arcs** [generously accept **volcanic arcs**; prompt on **arcs**; do not accept or prompt on “back-arc basins”, “magmatic arcs”, or “forearc basins”]
49. **phloem** [do not prompt **vascular system**]
50. **photomultiplier tubes** [or **PMTs**; prompt on **vacuum tubes**; antiprompt on **photocathodes** or **photodiodes** before mention]
51. **Science Quiz Bowl** [Prompt on **Science Bowl**, **Quiz Bowl**]