

Academic Challenge 2018
Topic Distribution - Chemistry

Chemistry Topic	Regional	Sectional	State
Atoms, Molecules, and Ions	4	3	3
Solutions A: Solubility and Concentration	2	3	2
Solutions B: Acids-Bases and pH	2	2	2
Solutions C: Colligative Properties	1	1	2
Chemical Equations, Reaction Type, and Stoichiometry	4	3	3
Gases and Gas Laws	3	2	2
Chemical and Physical Properties	2	1	1
Measurement	2	2	2
Organic	1	1	1
Periodic Table and Periodic Properties	2	2	2
Energy, Thermochemistry, and Thermodynamics	1	2	2
Equilibrium	2	2	2
Nuclear	1	1	1
Percent Composition	2	2	2
Electromagnetic Radiation and Electronic Structure	2	2	2
Electrochemistry and Redox Reactions	1	2	2
Nomenclature	2	2	2
Bonding, Molecular Geometry, and Polarity	2	2	2
Intermolecular Forces, Liquids and Solids	2	2	2
Kinetics	2	3	3
Total----	40	40	40
Pink color: IA's topics = 10. Question total →	20	20	20
Yellow color: CT's topics = 10. Question total →	20	20	20

References:

1. Chemistry, 3rd edition, Nivaldo Tro, Pearson, 2014. 9780321809247.
2. Chemistry, 13th edition, *John Hill*, Terry McCreary, *Doris Kolb*: Pearson, 2014. 9780321750877
3. Chemistry, 5th edition, Martin Silberberg, McGraw Hill, 2009, 978-0073048598
4. Chemistry, 8th edition, Zumdahl and Zumdahl, Brooks/Cole, 2010, 978-0547168296