

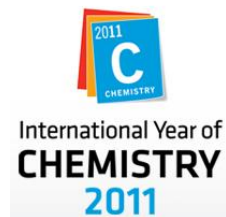


IYC Chemistry Table Quiz 2011 - Answers

Medicinal & Biochemistry



1. **Bismuth**
2. **Ribo**
3. **Citric (or tricarboxylic)**
4. **Squalene**
5. **HIV/AIDS**
6. **A cofactor**
7. **2-oxopropanoic acid, $\text{CH}_3\text{COCO}_2\text{H}$**
8. **Prozac (Sarafem, Fontex)**
9. **Viagra (Revatio)**
10. **Morning sickness (also used as a sedative)**



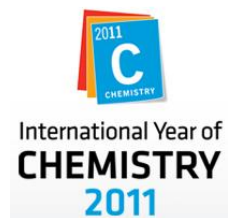
Nobel Laureates

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1. **Ostwald**
2. **(Marie) Curie**
3. **Debye**
4. **(Linus) Pauling**
5. **(George) Porter**
6. **Wilkinson**
7. **Flory**
8. **Lehn**
9. **Olah**
10. **Schechtman**



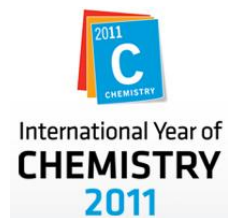
Nitrogen Heterocycles

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1. Nicotine
2. Caffeine
3. Purine
4. Pyrimidine
5. Tetrahydroquinoline
6. Imidazole
7. Indole
8. Saccharine
9. Morpholine
10. Julolidine



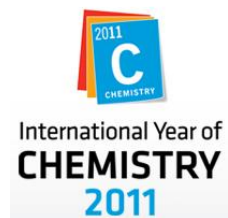
History of the Chemical Industry

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1. Glass & Soap
2. Sulphate
3. Solvay
4. Mercury
5. Zinc
6. Viscose
7. BASF
8. Bayer
9. DuPont
10. Lead Chamber



Astrochemistry and Geochemistry



1. Carbon dioxide
2. Sulphuric acid (accept sulphur dioxide)
3. Nitrogen
4. Hydrocarbons, methane, ethane (accept any of these)
5. Oxygen
6. Chromium (accept vanadium)
7. Aluminium oxide, corundum
8. Sulphur
9. Iridium
10. Fe_3O_4



Physical Chemistry

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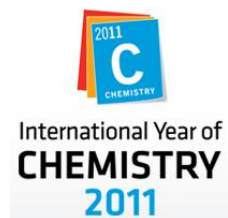
1. Charles
2. Boyle
3. It's at its triple point – vapour, liquid & ice all in equilibrium.
4. 8
5. Boltzmann
6. Hydrogen atom
7. Schrödinger
8. Nernst
9. Volta & Galvani
10. Stimulated



Polymer Chemistry



1. Styrene
2. Carothers
3. Terephthalate
4. Polyurethanes
5. Glucose
6. Vulcanisation
7. Polycarbonate
8. Bisphenol-A
9. Polymethylmethacrylate (poly methyl 2-methylpropenoate)
10. Polylactide or polylactic acid.



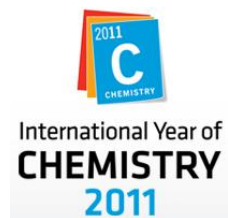
The Periodic Table

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1. Cobalt
2. Gallium
3. Arsenic
4. Palladium
5. Cadmium
6. Indium
7. Tin
8. Tellurium
9. Neodymium
10. Americium



Food Chemistry



1. **B₂ (riboflavin)**
2. **Maillard**
3. **Iodine**
4. **Gluten (gliadin)**
5. **Fructose**
6. **Tryptophan**
7. **Nitrate**
8. **Gold**
9. **Diethylene glycol (accept 2-hydroxyethoxy–ethan-2-ol or formula HOCH₂CH₂OCH₂CH₂OH)**
10. **Aniline (aminobenzene). Accept azobenzene.**



Miscellaneous

1. Arsole
2. Dilithium
3. Pyrex
4. Uracil
5. Water glass
6. Ice-nine
7. Thermite
8. 7
9. CS Gas
10. mushrooms

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