



### ACROSS

- 1 A \_\_\_\_\_ is a chemical compound containing a sulfinyl functional group attached to two carbon atoms.
- 5 A \_\_\_\_\_ refers to the structural unit composed of a linked pair of sulfur atoms
- 7 A \_\_\_\_\_ is a functional group in organic chemistry which is similar to ethers but with sulfur in the place of oxygen.
- 10 The term \_\_\_\_\_ refers to several types of chemical compounds containing sulfur in its lowest oxidation number of -2.
- 11 \_\_\_\_\_s are compounds resulting from the bonding of sulfur with an acyl group formed through esterification of a carboxylic acid and a thiol.
- 13 \_\_\_\_\_s are the sulfur analogue of acetals.

### DOWN

- 2 A \_\_\_\_\_ bond is a single covalent bond derived from the coupling of thiol groups.
- 3 \_\_\_\_\_, one of the standard amino acids, possesses a thiol side chain. Along with methionine, it is one of the two standard amino acids containing sulfur.
- 4 One of the standard amino acids, \_\_\_\_\_ possesses a thioether side chain. Along with cysteine, it is one of the two standard amino acids containing sulfur.
- 6 An important building block in organosulfur chemistry, carbon \_\_\_\_\_ consists of a single carbon with double bonds to two sulfur atoms.
- 8 Organic compounds containing the functional group SCN are called \_\_\_\_\_s.
- 9 The important aprotic solvent dimethyl \_\_\_\_\_ (DMSO) consists of a sulfinyl group attached to two methyl groups.
- 12 \_\_\_\_\_s are the sulfur analogues of an alcohols.