



## Molecular Terms Quiz

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Directions: Edit the following sentences based on your understanding of section 15.10 of the *AMA Manual of Style*. Refer to Table 13 on pages 715-720. Although the AMA recommends that terms described as terms be italicized, for the purpose of clarity in this quiz terms described as terms are not italicized.

1. On degradation to acetyl-CoA, odd-chain fatty acids end up with propionyl-CoA, which requires carboxylation to an even-chain fatty acid.
2. In cystic fibrosis airway epithelial cells, azithromycin reduced DNA binding of the interleukin 8 transcriptional regulator NF- $\kappa$ B.
3. This study evaluated the predictive value of glycosylated HbA<sub>1c</sub> for retinopathy 10 years after the baseline examination.
4. Corneal hydration is mainly regulated by endothelial barrier function and ionic gradients set up by the Na,K-ATPase (sodium-potassium-adenosine triphosphatase) pump.
5. Because of the small number of patients, the investigators could not statistically correlate HER2/neu protein expression or *HER2/neu* gene amplification and survival.
6. Although the benefits of HMG-CoA reductase inhibitors (statins) for reducing the risk of cardiac and cerebrovascular disease are well established, more widespread use of statin therapy remains controversial.
7. TBP (Tata box binding protein) was used as a reference marker.
8. The investigators demonstrated that inactivation of Akt kinase results in decreased cell survival when cells are exposed to doxorubicin.
9. On the basis of data from in vitro and clinical studies, nonsteroidal anti-inflammatory drugs were classified as COX-1 selective, COX-1 nonselective, and COX-2 selective according to their relative selectivity for the COX-1 and COX-2 enzymes at therapeutic dosages.
10. Cetuximab leads to cell-cycle arrest in G1 phase, which induces apoptosis and inhibits tumor angiogenesis.
11. The receptor activator of nuclear factor  $\kappa$ B ligand (RANKL) is essential for osteoclast and, possibly, osteoblast activation; therefore, RANKL may represent a key link between bone formation and resorption.
12. The reduced nicotinamide adenine dinucleotide (NADH) oxidase activity (normalized to citrate synthase activity) was significantly lower in lymphocytic mitochondria from children with autism compared with controls.

