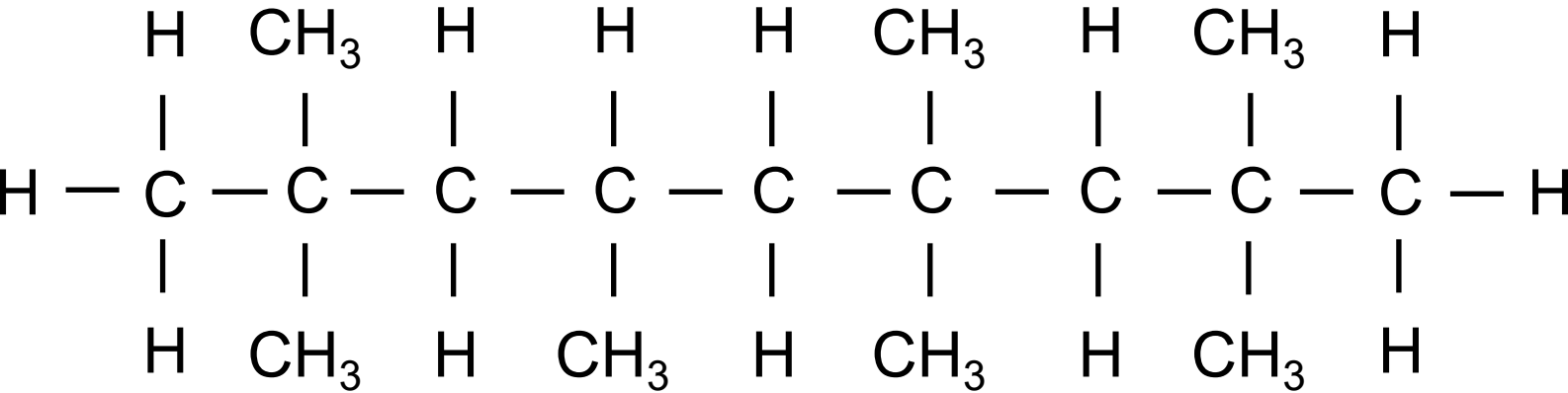


2,2,4,4,6,8,8Heptamethylnonane C₁₆H₃₄ (CN = 15)



$$\text{CZ} = X_c + 0.15 \times X_{\text{HMN}}$$

X_c : volumetric fraction of cetane

X_{HMN} : volumetric fraction of heptamethylnonane