[Organic Chemistry](http://session.masteringchemistry.com/myct/assignment?assignmentID=2386285) Part IV

1. Draw a structure for each alkane.
2. 2,2-dimethylpentane
3. 3-isopropylheptane
4. What is the name of the following organic compound? CH 3 CH 2 CH 2 CH 2 CH 2 CH 2 CH 2 CH 3 Spell out the name of the compound.
5. What is the name of the following organic compound? CH 3 CH 2 CCCH 2 CH 2 CH 3 Spell out the name of the compound.
6. What is the chemical formula of 4-nonene? Express your answer as a chemical formula.
7. Name each alkene.
8. CH 2 =CH−CH 2 −CH 2 −CH 3 \rm CH_2=CH-CH_2-CH_2-CH_3Spell out the full name of the compound.
9. CH 3 − C | C H 3 H− C | C H 3 = CH−CH 3 Spell out the full name of the compound.