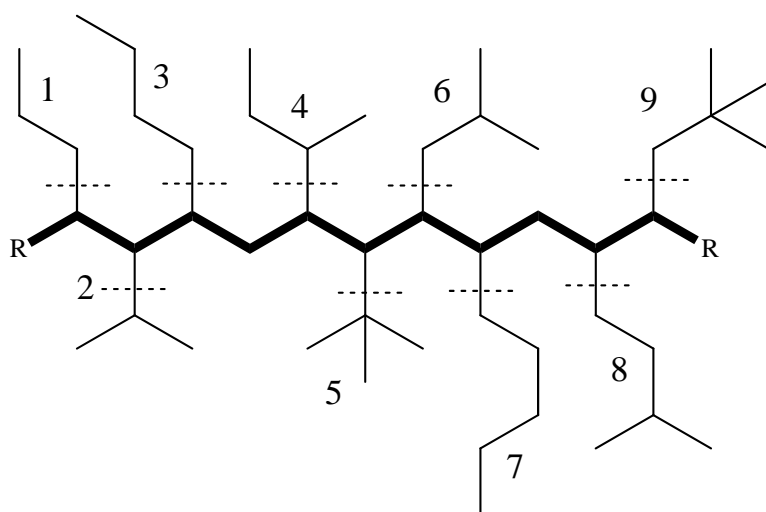


Key for Take Home 'Common Terms' Nomenclature Quiz #2

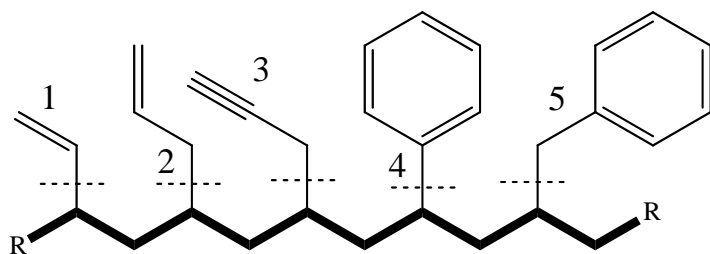
1. Provide a 'common' name or term for the following branches.



- 1. n-propyl
- 2. isopropyl
- 3. n-butyl
- 4. sec-butyl
- 5. t-butyl
- 6. isobutyl
- 7. n-pentyl
- 8. isopentyl
- 9. neopentyl

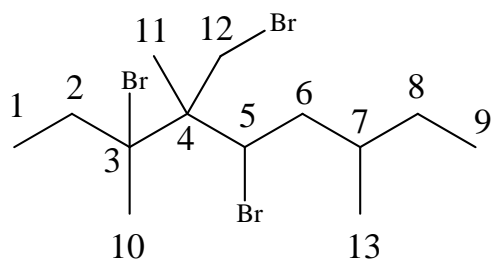
backbone **—————**
 point of attachment **-----**

2. Provide a 'common' name or term for the following substituents.



- 1. vinyl
- 2. allyl
- 3. propargyl
- 4. phenyl
- 5. benzyl

3. Classify every carbon atom as primary (1°), secondary (2°), tertiary (3°) or quaternary (4°).



- | | | |
|---------------|--------------|-------------|
| 1. primary | 6. secondary | 11. primary |
| 2. secondary | 7. tertiary | 12. primary |
| 3. tertiary | 8. secondary | 13. primary |
| 4. quaternary | 9. primary | |
| 5. secondary | 10. primary | |

3. In the above problem point out (by number) any methyl groups, methylene groups and methine groups.

methyl group(s) = 1,9,10,11,13

methylene group(s) = 2,6,8,12

methine group(s) = 5,7