

Solutions to Attendance Quiz for Lecture 1

1. There are two isomers of C_4H_{10} , called *butane* and *isobutane*, draw them.

Sol. to 1:

See

<https://en.wikipedia.org/wiki/Butane> .

(Look at the diagrams under "Isomers")

2. There are three isomers of C_5H_{12} , called *pentane* and *isopentane*, and *neopentane*, draw them.

Sol. to 2:

Look at

<https://en.wikipedia.org/wiki/Pentanes> .

Comment: These are hard if you are not a chemistry major. Also I confused you by saying that there may double bonds. Of course, double bonds often show up in organic chemistry, but not in these isomers.