CONCEPT: NAMING ETHERS

- **Recall:** Ethers possess an oxygen atom connected to ____ alkyl groups.
- Ethers have a unique naming system.
  - □ The parent name is _____.

substituent-substituent-ether

EXAMPLE: Name the following ether compound.

$CH_3CH_2CH_2CH_2OCH_3$

STEP 1: Identify the ____ alkyl groups connected to the oxygen atom.

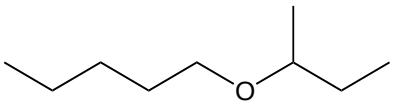
STEP 2: Name the two alkyl groups alphabetically as _____.

- □ If there are identical alkyl groups, use the numerical prefix _____.

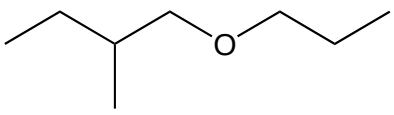
STEP 3: End the name of the compound with _____.

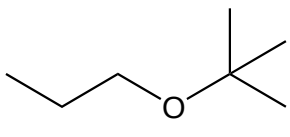
- □ Write the name with spaces.

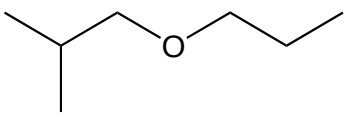
PRACTICE: Provide the name for the following ether.



PRACTICE: Which structure represents isobutyl propyl ether?

a)


b)


c)


d)