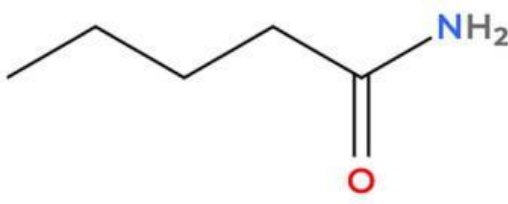
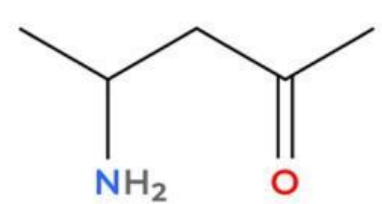
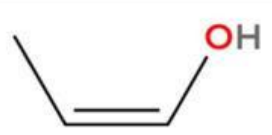
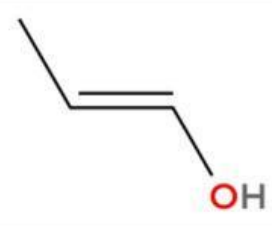
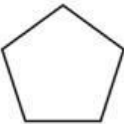
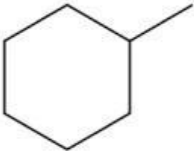
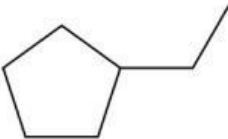
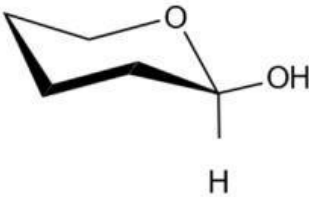
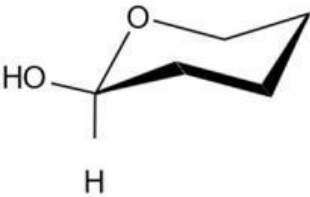
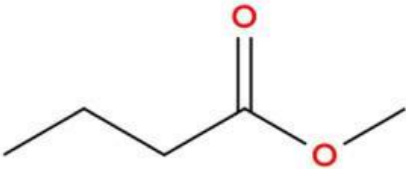
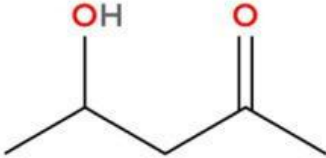
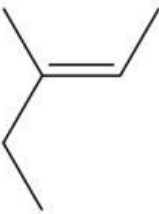
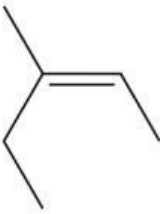
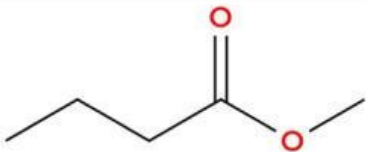
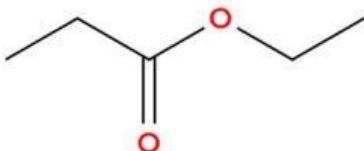
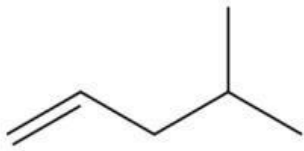
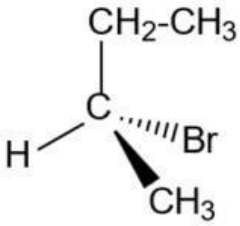
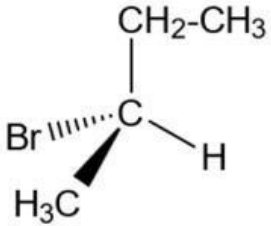


# ISOMERIA

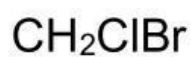
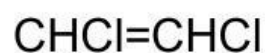
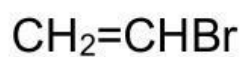
**1-** Escull el tipus d'isomeria de cada parell d'isòmers:

|                                                                                                                                                       |                                                                                                                                                      |
|-------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| $  \begin{array}{c}  \text{CH}_3 \\    \\  \text{CH}_3-\text{C}-\text{CH}_2-\text{CH}_2-\text{CH}_2-\text{CH}_3 \\    \\  \text{CH}_3  \end{array}  $ | $  \begin{array}{c}  \text{CH}_3 \\    \\  \text{CH}_3-\text{CH}-\text{CH}-\text{CH}_2-\text{CH}_3 \\    \\  \text{CH}_2-\text{CH}_3  \end{array}  $ |
| CH <sub>3</sub> -CO-CH <sub>2</sub> -CH <sub>2</sub> -CH <sub>3</sub>                                                                                 | CH <sub>3</sub> -CHOH-CH <sub>2</sub> -CH=CH <sub>2</sub>                                                                                            |
| CH <sub>3</sub> -CH <sub>2</sub> -CH <sub>2</sub> -CH <sub>2</sub> OH                                                                                 | CH <sub>3</sub> -CH <sub>2</sub> -CHOH-CH <sub>3</sub>                                                                                               |
|                                                                    |                                                                  |
|                                                                    |                                                                  |
| CH <sub>3</sub> -CH <sub>2</sub> -CH <sub>2</sub> -CHO                                                                                                | CH <sub>3</sub> -CH <sub>2</sub> -CO-CH <sub>3</sub>                                                                                                 |

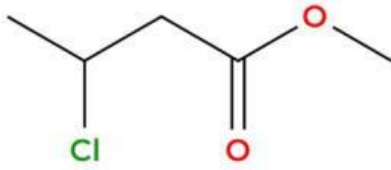
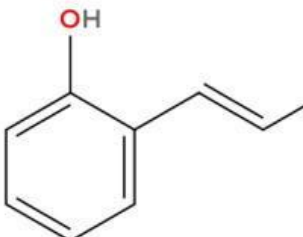
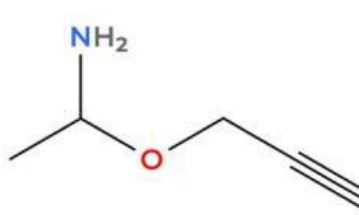
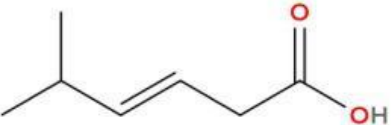
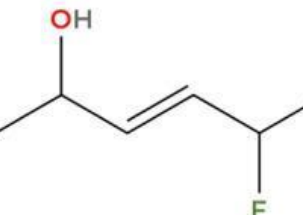
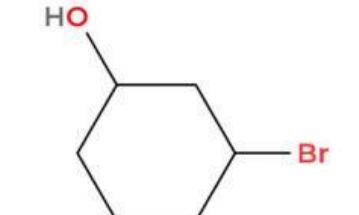
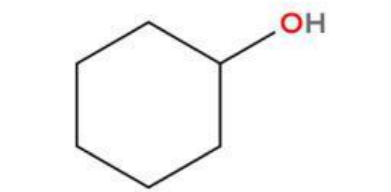
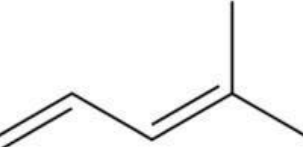
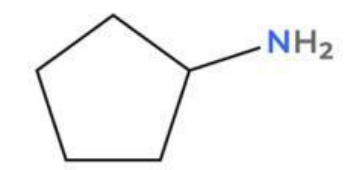
|                                                                                     |                                                                                      |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| $\text{CH}_3\text{-CH=CH-CH}_2\text{-CH}_3$                                         |    |
| $\text{CH}_3\text{-CH}_2\text{-CH}_2\text{-CHOH-CH}_3$                              | $\text{CH}_3\text{-CH}_2\text{-O-CH}_2\text{-CH}_2\text{-CH}_3$                      |
|    |    |
| $\text{CH}_3\text{-CH}_2\text{-CH}_2\text{-COOH}$                                   | $\text{CH}_3\text{-CH}_2\text{-COO-CH}_3$                                            |
|   |   |
|  |  |
|  |  |

|                                                                                    |                                                                                     |
|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|   |   |
|   |   |
| $\text{CH}_3\text{-CH}_2\text{-O-CH}_2\text{-CH}_2\text{-CH}_3$                    | $\text{CH}_3\text{-O-CH}_2\text{-CH}_2\text{-CH}_2\text{-CH}_3$                     |
|  |  |

**2-** Diques si les següents molècules tenen **isomeria espacial** i en cas afirmatiu, escull de quin **tipus** és:



**3-** Fixa't amb les següents molècules i digues el **nombre de carbonis asimètrics** que tenen.

|                                                                                                                                                           |                                                                                                                                                           |                                                                                                                                                             |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p style="text-align: center;"><b>1</b></p>  <p>Té <b>C quiral</b></p>   | <p style="text-align: center;"><b>2</b></p>  <p>Té <b>C quiral</b></p>   | <p style="text-align: center;"><b>3</b></p>  <p>Té <b>C quiral</b></p>   |
| <p style="text-align: center;"><b>4</b></p>  <p>Té <b>C quiral</b></p>   | <p style="text-align: center;"><b>5</b></p>  <p>Té <b>C quiral</b></p>   | <p style="text-align: center;"><b>6</b></p>  <p>Té <b>C quiral</b></p>   |
| <p style="text-align: center;"><b>7</b></p>  <p>Té <b>C quiral</b></p> | <p style="text-align: center;"><b>8</b></p>  <p>Té <b>C quiral</b></p> | <p style="text-align: center;"><b>9</b></p>  <p>Té <b>C quiral</b></p> |

**4-** Quines molècules de la taula anterior tenen isomeria **cis-trans** de doble enllaç?

1

2

3

4

5

6

7

8

9