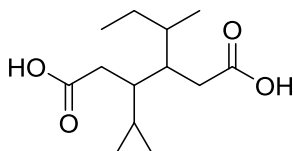
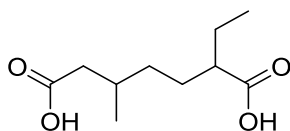
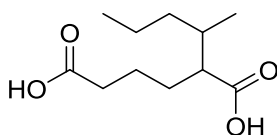
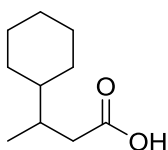
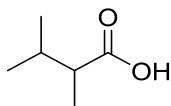


## 9. Gaia. Ariketak Azido Karboxilikoak eta Azil Haluroak

**Argibideak:** ezkutatu eskuineko edo ezkerreko zutabea ariketa hauek egiteko

1. Izenda (edo formula) itzazu hurrengo alkil monoazidoak eta diazidoak.



2. Formula (edo izenda) itzazu hurrengo alkil monoazidoak eta diazidoak.

azido 2,3-dimetilhexanodioiko

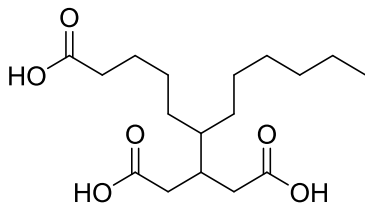
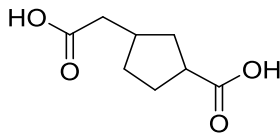
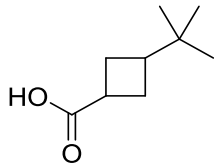
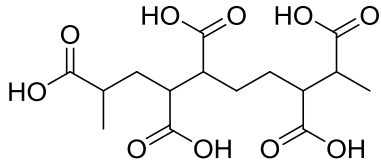
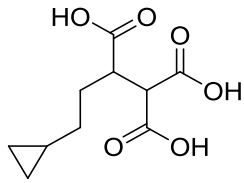
azido 3-etil-2-ziklobutilpentanoiko

azido 2-ziklopropilpentanodioiko

2-hexil-3-docezilbutanodioiko

azido azetiko

3. Izenda (edo formula) itzazu hurrengo poliazidoak eta zikloalkil azidoak.



4. Formula (edo izenda) itzazu hurrengo poliazidoak eta zikloalkil azidoak.

azido propano-1,1,2,2,3-pentakarboksiliko

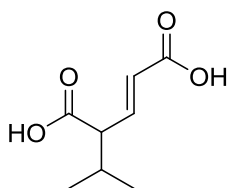
azido 2-propilziclopropanokarboksiliko

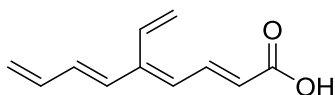
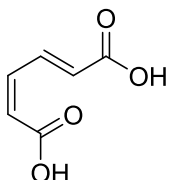
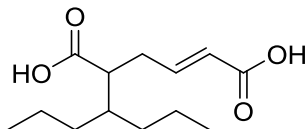
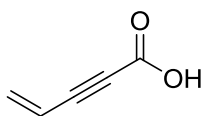
azido eikosano-1,2,3,4,5,6-hexakarboksiliko

azido 2-(2-karboksiziklopropil)hexanodioiko

azido 3-butilziclobutano-1,2-dikarboksiliko

5. Izenda (edo formula) itzazu hurrengo alkenil eta alkinil monoazidoak eta diazidoak.





6. Formula (edo izenda) itzazu hurrengo alkenil eta alkinil monoazidoak eta diazidoak.

azido (4E)-4-etil-3-(propan-2-il)non-4-enoiko

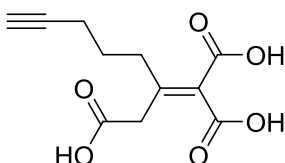
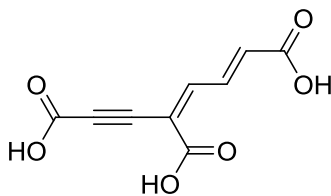
azido (2Z)-2-etenilpent-2-enoiko

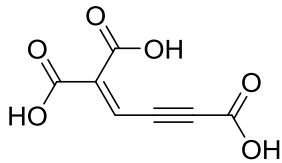
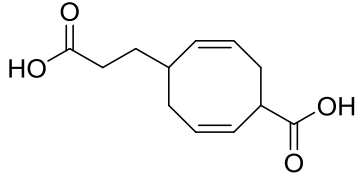
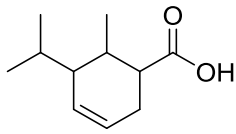
azido (2E)-2-(pentan-3-il)hept-2-eno-4,6-diinoiko

(2E,4E)-2-(2-etilbut-3-in-1-il)buta-2,4-dienoiko

azido 4-(buta-1,3-diin-1-il)non-2-inoiko

7. Izenda (edo formula) itzazu hurrengo alkenil eta alkinil poliazidoak eta zikloalkenil eta zikloalkinil azidoak.





8. Formula (edo izenda) itzazu hurrengo alkenil eta alkinil poliazidoak eta zikloalkenil eta zikloalkinil azidoak.

azido (2*E*)-okta-2,7-dieno-1,4,5-trikarboxiliko

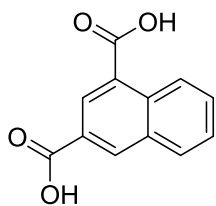
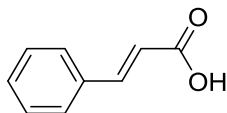
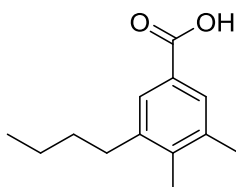
azido 1-etilziklohex-2-eno-1,4-dikarboxiliko

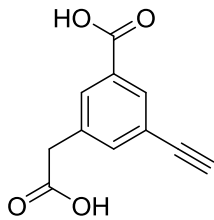
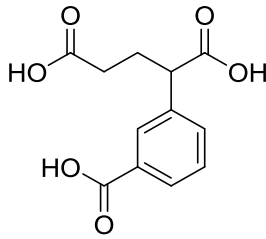
azido but-1-eno-1,2,3,4-tetrakarboxiliko

azido 2-(1-karboxiziklopentil)pent-3-inoioiko

3-(karboxietil)ziklohex-3-eno-1-karboxiliko

9. Izenda (edo formula) itzazu hurrengo aril eta aril deribatuen azido eta poliazidoak.





**10.** Formula (edo izenda) itzazu hurrengo aril eta aril deribatuen azido eta poliazidoak.

azido 3-etenil-5-etinilbentzoiko

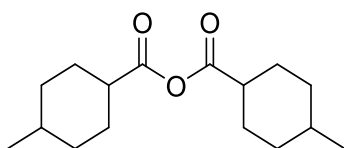
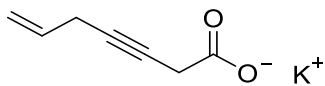
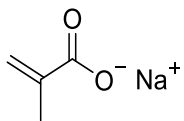
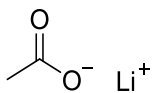
azido 3-(butan-2-il)bentzeno-1,2-dikarboxiliko

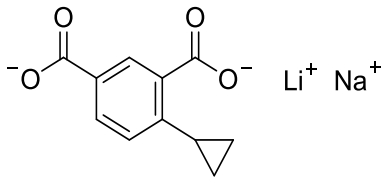
azido fenantreno-1-karboxiliko

azido 3-(karboximetil)bentzoiko

azido 4-(3-karboxifenil)tetradekanodioiko

**11.** Izendat itzazu hurrengo azidoen gatzak eta anhidridoak.





12. Formula (edo izenda) itzazu hurrengo azidoen gatzak eta anhidridoak.

kaltzio but-2-inodioato

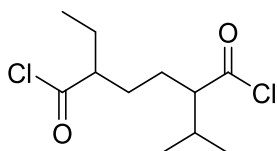
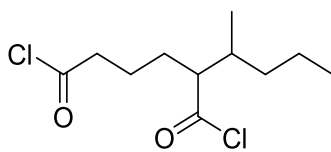
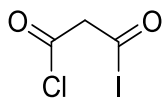
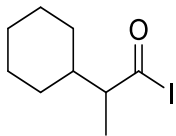
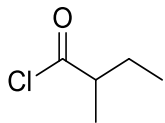
litio sodio butanodioato<sup>1</sup>

dilitio 4-metilziklohexano-1,3-dikarboxilato

anhidrido formiko

diamonio 2-(2-metilpropil)butanodioato

13. Izenda (edo formula) itzazu hurrengo azil haluro alkilikoak.



14. Formula (edo izenda) itzazu hurrengo azil haluro alkilikoak.

azetil kloruro

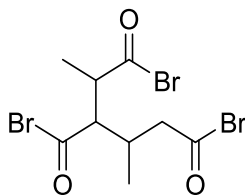
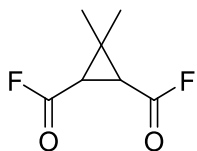
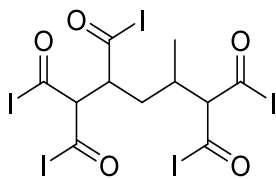
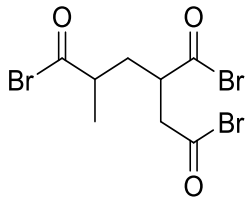
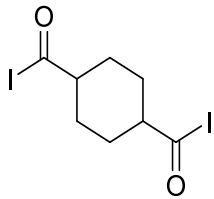
2-(*tert*-butil)heptanoil bromuro

pentanodioil diioduro

2-etil-5-propilhexanodioil difluoruro

butanodioil bromuro ioduro

**15.** Izenda (edo formula) itzazu hurrengo azil haluro ziklikoak eta poliazil haluroak.



**16.** Formula (edo izenda) itzazu hurrengo azil haluro ziklikoak eta poliazil haluroak.

ziklopentano-1,3-dikarbonil diioduro

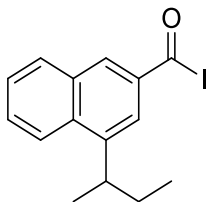
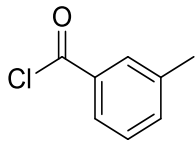
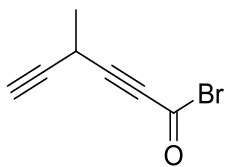
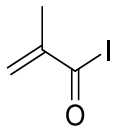
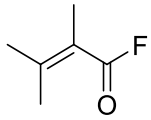
2,4-dietilziklopentano-1,1-dioil dibromuro

3-metilpentano-1,3,5-trikarbonil tribromuro

pentano-1,1,2,5-tetrakarbonil tetrafluoruro

biziklo[4.3.1]dekano-1,6-dikarbonil dikloruro

17. Izenda (edo formula) itzazu hurrengo alkenil, alkinil eta aril azil haluroak.



18. Formula (edo izenda) itzazu hurrengo alkenil, alkinil eta aril azil haluroak.

3-etenilpenta-2,4-dienoil fluoruro

2-etinilbut-3-enoil ioduro

4-(*tert*-butil)hexa-2,5-diinoil bromuro

2-ziklohexilbenzoil kloruro

3-(1-iodo-1-oxopropan-2-il)benzoil ioduro