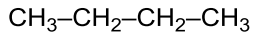


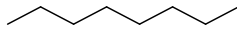
## 2. Gaia. Ariketak Alkanoak

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

1. Izenda (edo formula) itzazu hurrengo alkano linealak eta ziklikoak.



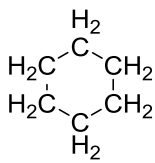
butano



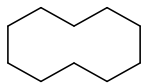
oktano



ziklopropano



ziklohexano



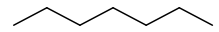
ziklodekano

2. Formula (edo izenda) itzazu hurrengo alkano linealak eta ziklikoak.

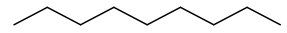
propano



heptano



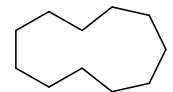
nonano



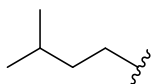
ziklopentano



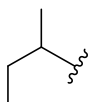
zikloundekano



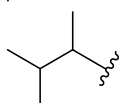
3. Izenda (edo formula) itzazu hurrengo erradikalak.



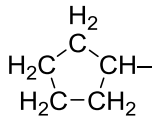
3-metilbutilo



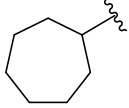
butan-2-ilo



3-metilbutan-2-ilo



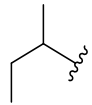
ziklohexilo



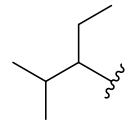
zikloheptilo

4. Formula (edo izenda) itzazu hurrengo erradikalak.

butan-2-ilo



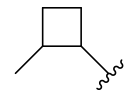
2-metilpentan-3-ilo



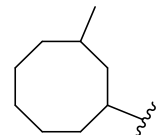
*tert*-butilo



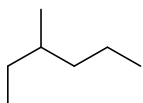
2-metilziklobutilo



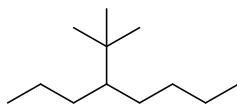
3-metilzikloooktilo



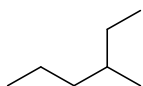
5. Izenda (edo formula) itzazu hurrengo alkano monoadarkatuak.



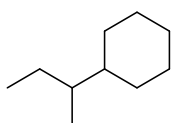
3-metilhexano



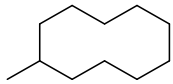
4-(*tert*-butil)oktano



3-metilhexano



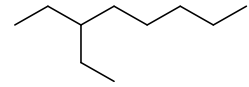
butan-2-ilziklohexano



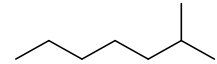
metilziklodekano

6. Formula (edo izenda) itzazu hurrengo alkano monoardatuak.

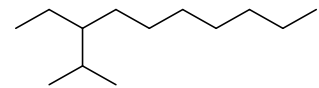
3-etiloktano



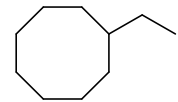
2-metilheptano



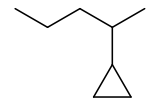
3-(propan-2-il)dekano



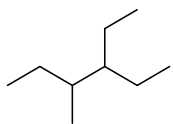
etilziklooktano



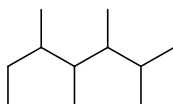
pentan-2-ilziklopropano



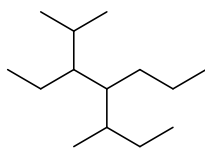
7. Izenda (edo formula) itzazu hurrengo alkano poliardatuak.



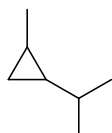
3-etil-4-metilhexano



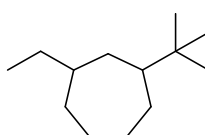
3,4,5,6-tetrametiloktano



3-etil-2,5-dimetil-4-propilheptano



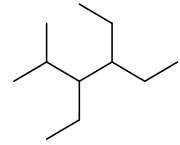
1-metil-2-(propan-2-il)ziklopropano



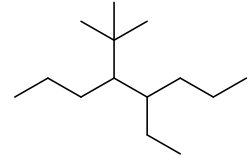
1-(*tert*-butil)-3-etilzikloheptano

8. Formula (edo izenda) itzazu hurrengo alkano poliardatuak.

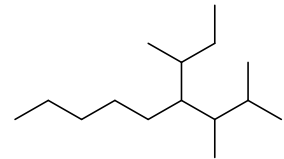
3,4-dietil-2-metilhexano



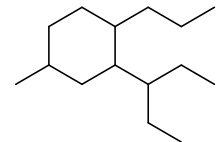
4-(*tert*-butil)-5-etiloktano



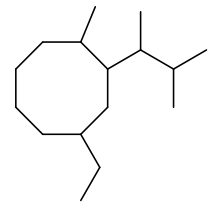
4-(butan-2-il)-2,3-dimetilnonano



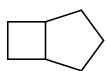
4-metil-2-(pentan-3-il)-1-propilziklohexano



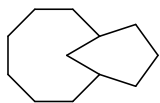
4-etil-1-metil-2-(3-metilbutan-2-il)ziklooktano



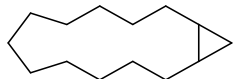
**9.** Izenda (edo formula) itzazu hurrengo alkano biziklikoak eta espiranikoak.



biziklo[3.2.0]heptano



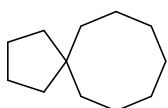
biziklo[6.3.1]dodekano



biziklo[11.1.1]tetradekano



espiro[3.5]nonano



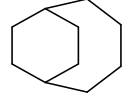
espiro[4.7]dodekano

**10.** Formula (edo izenda) itzazu hurrengo alkano biziklikoak eta espiranikoak.

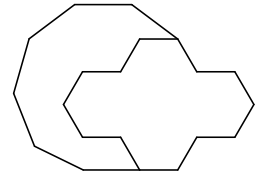
biziklo[3.1.0]hexano



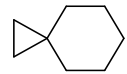
biziklo[4.2.2]dekano



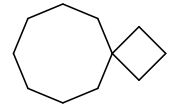
biziklo[6.6.6]eikosano



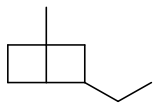
espiro[2.5]oktano



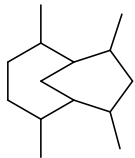
espiro[3.7]undekano



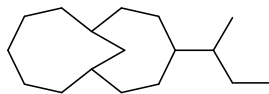
**11.** Izenda (edo formula) itzazu adarkaturiko hurrengo alkano biziklikoak eta espiranikoak.



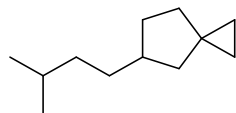
3-etil-1-metilbiziklo[2.2.0]hexano



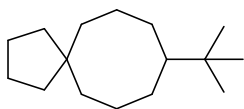
2,5,7,9-tetrametilbiziklo[4.3.1]dekano



4-(butan-2-il)-biziklo[5.5.1]tridekano



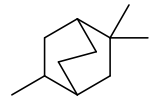
5-(4-metilbutil)espiro[2.4]heptano



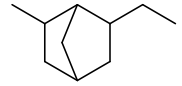
9-(*tert*-butil)espiro[4.7]dodekano

**12.** Formula (edo izenda) itzazu adarkaturiko hurrengo alkano biziklikoak eta espiranikoak.

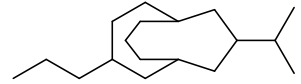
2,2,5-trimetilbiziklo[2.2.2]oktano



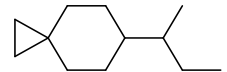
2-etil-6-metilbiziklo[2.2.1]heptano



8-(propan-2-il)-3-propilbiziklo[4.3.3]dodekano



6-(butan-2-il)espiro[2.5]oktano



5-etil-1-metilespiro[3.5]nonano

