

# ATOMER

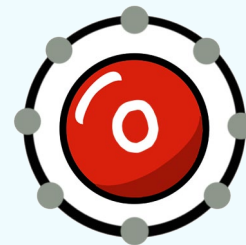
Atomer er de bitte små byggsteinene  
alt rundt oss er laget av.



Hydrogen



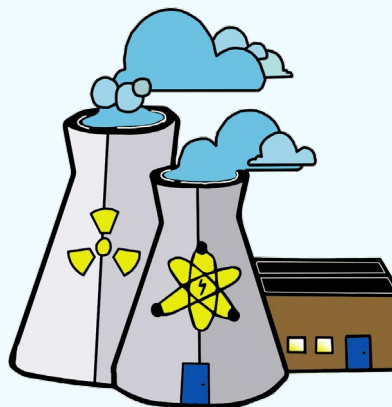
Helium

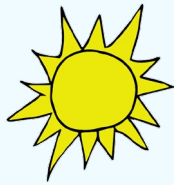
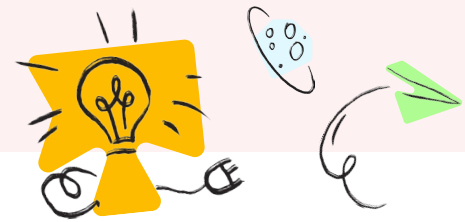


Oksygen

# KJERNEKRAFTVERK

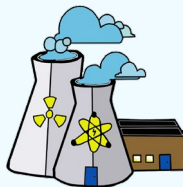
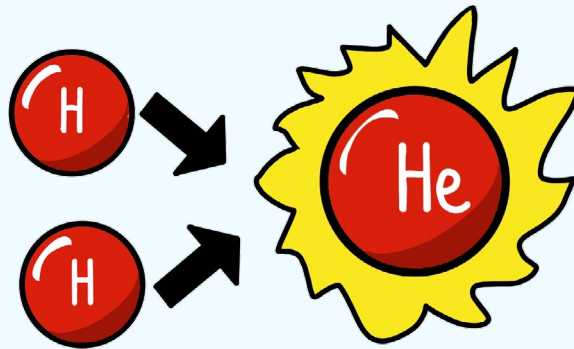
Et kraftverk som lager elektrisk energi  
ved hjelp av kjernekraft.





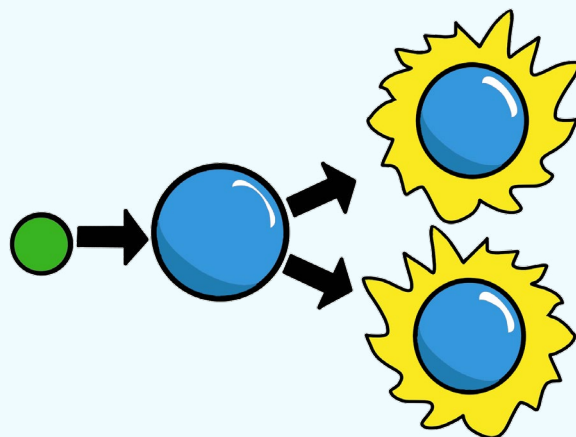
# FUSJON

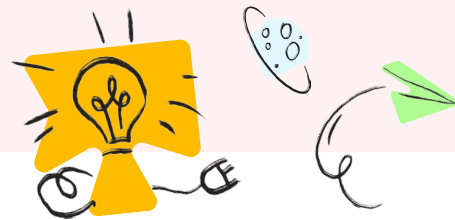
Fusjon betyr at to eller flere atomer går sammen til én, og det frigjøres energi.



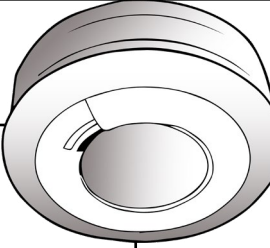

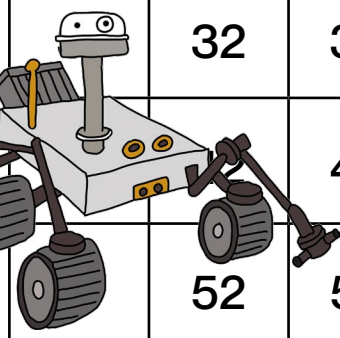

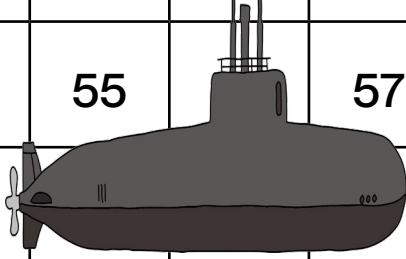
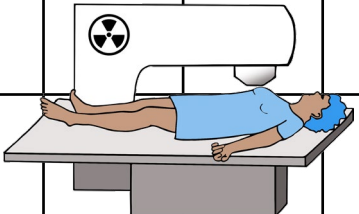

# FISJON


Fisjon er når en atomkjerne deles i to mindre deler, og det frigjøres energi.




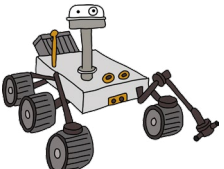


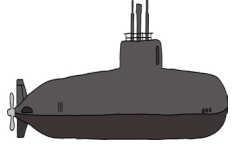
# Hvilke tall skjuler seg bak figurene?


1	2	3	4	5	6	7	8			
11	12	13	14		16	17	18			
21	22	23	24	25	26	27	28	29	30	
		32	33	34	35	36	37	38		40
	43	44	45	46	47	48	49	50		
	52	53	54	55			57	58	59	60
61	62	63	64				68	69	70	
71	72	73	74	75	76	77			80	
81		83	84	85	86	87			90	
91	92	93	94	95	96	97	98	99	100	

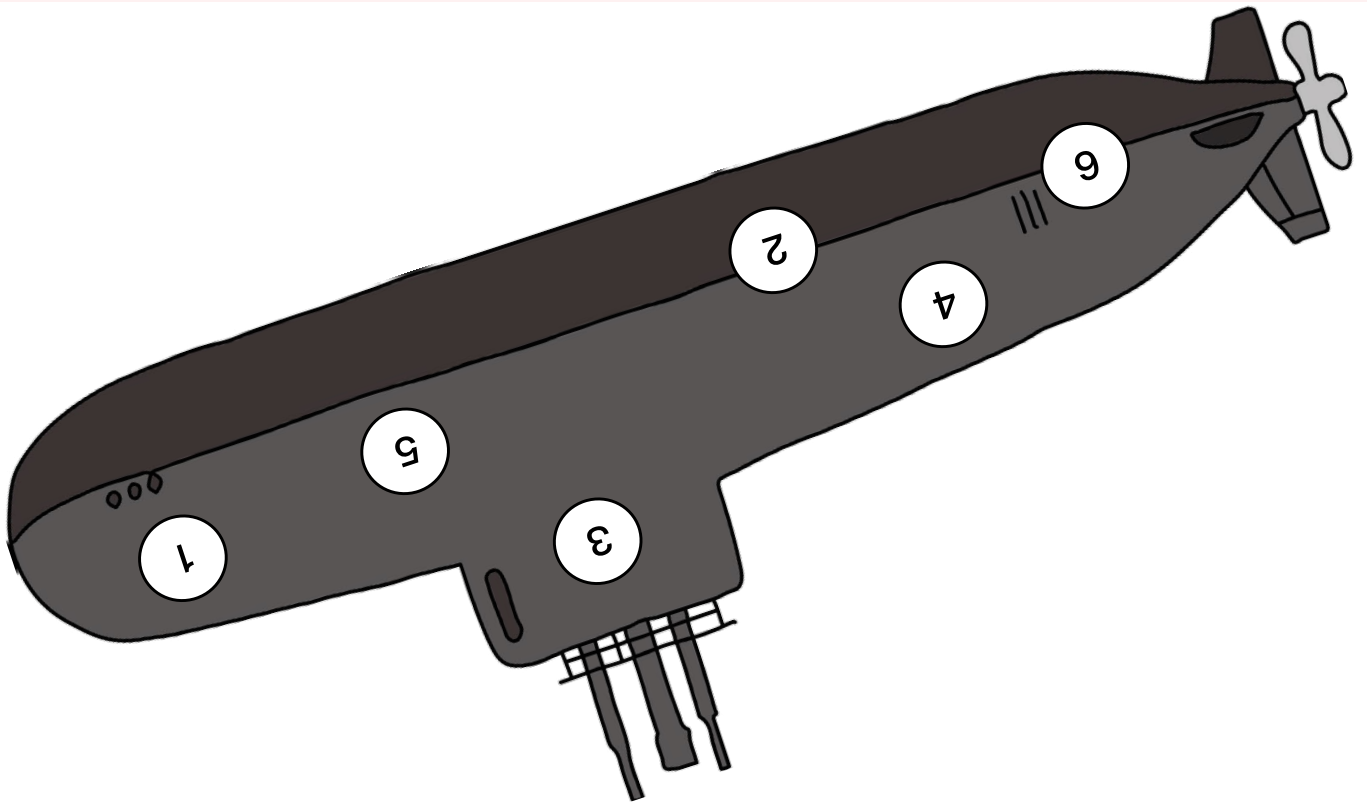






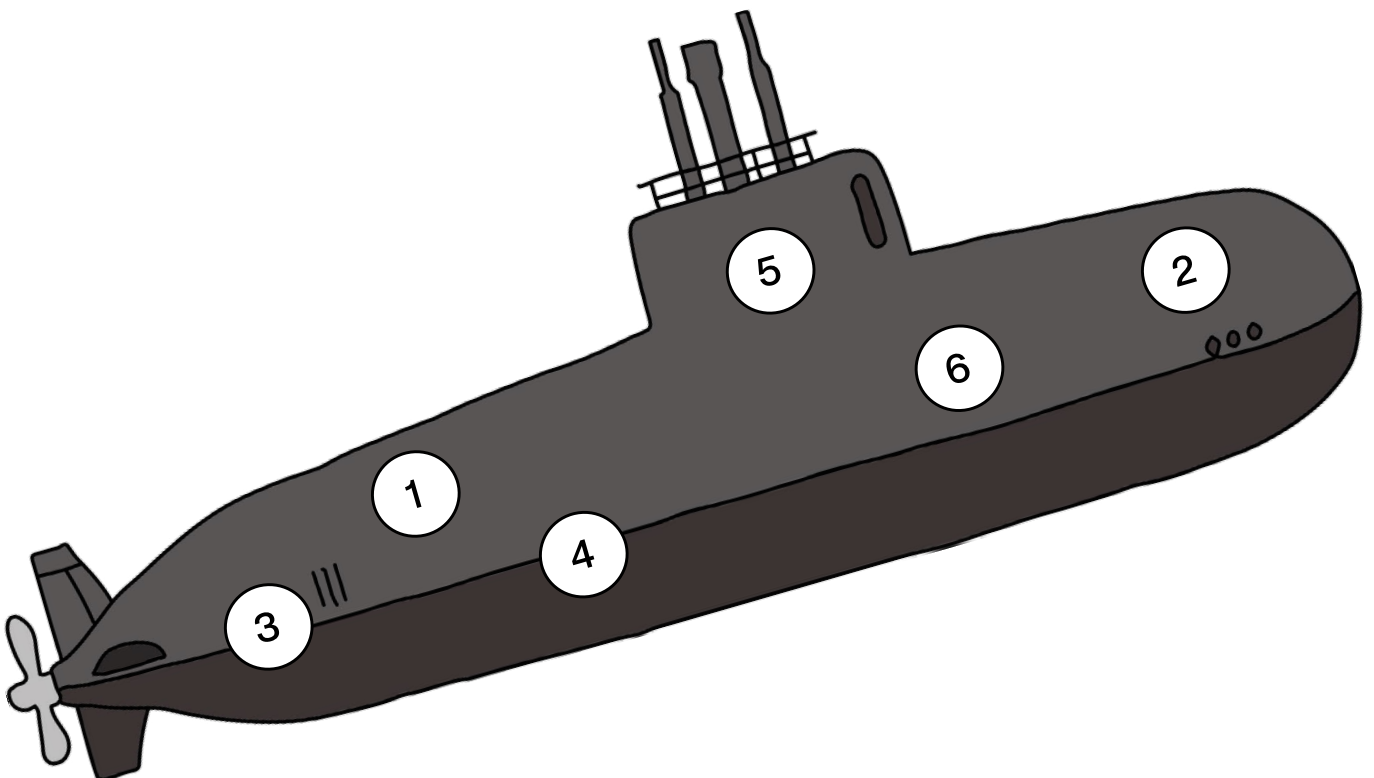


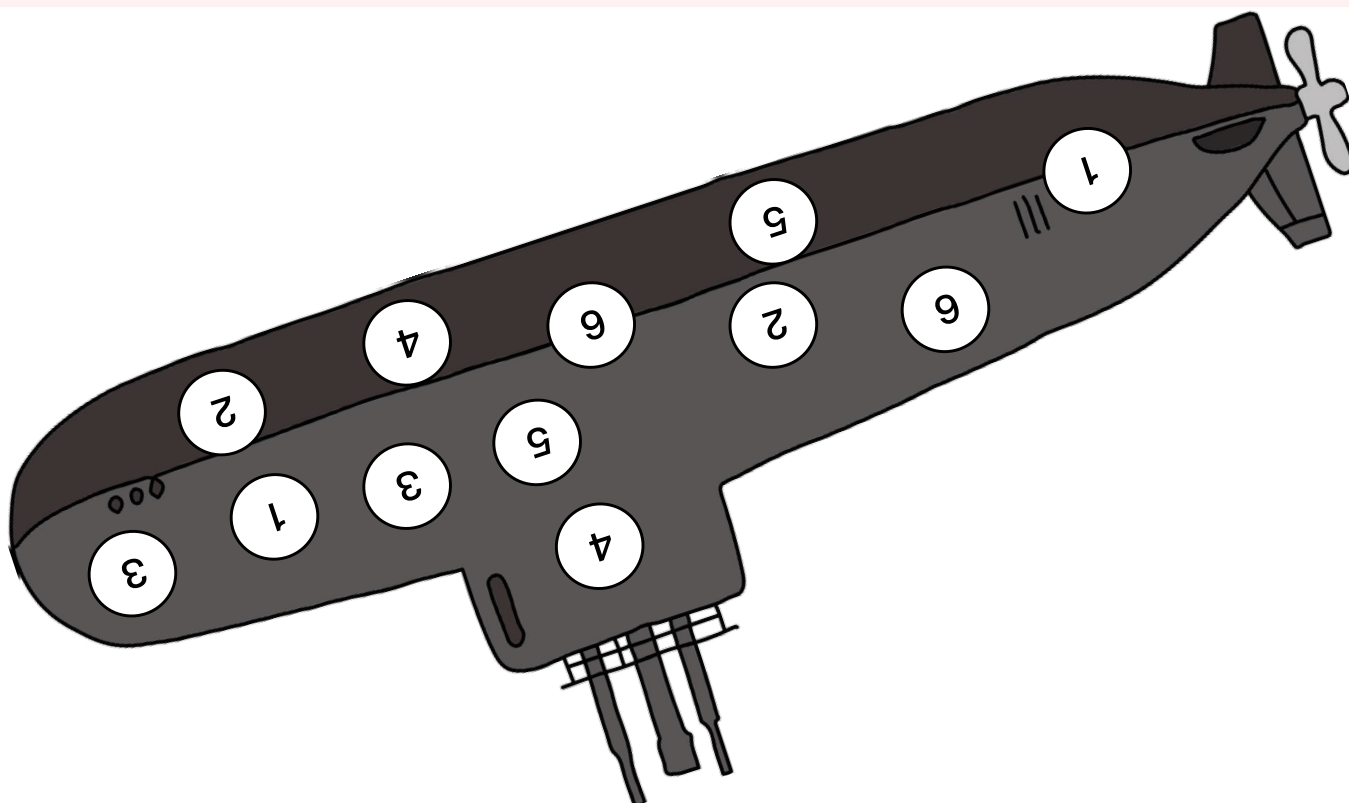




## 1. Hvem blir først ferdig?

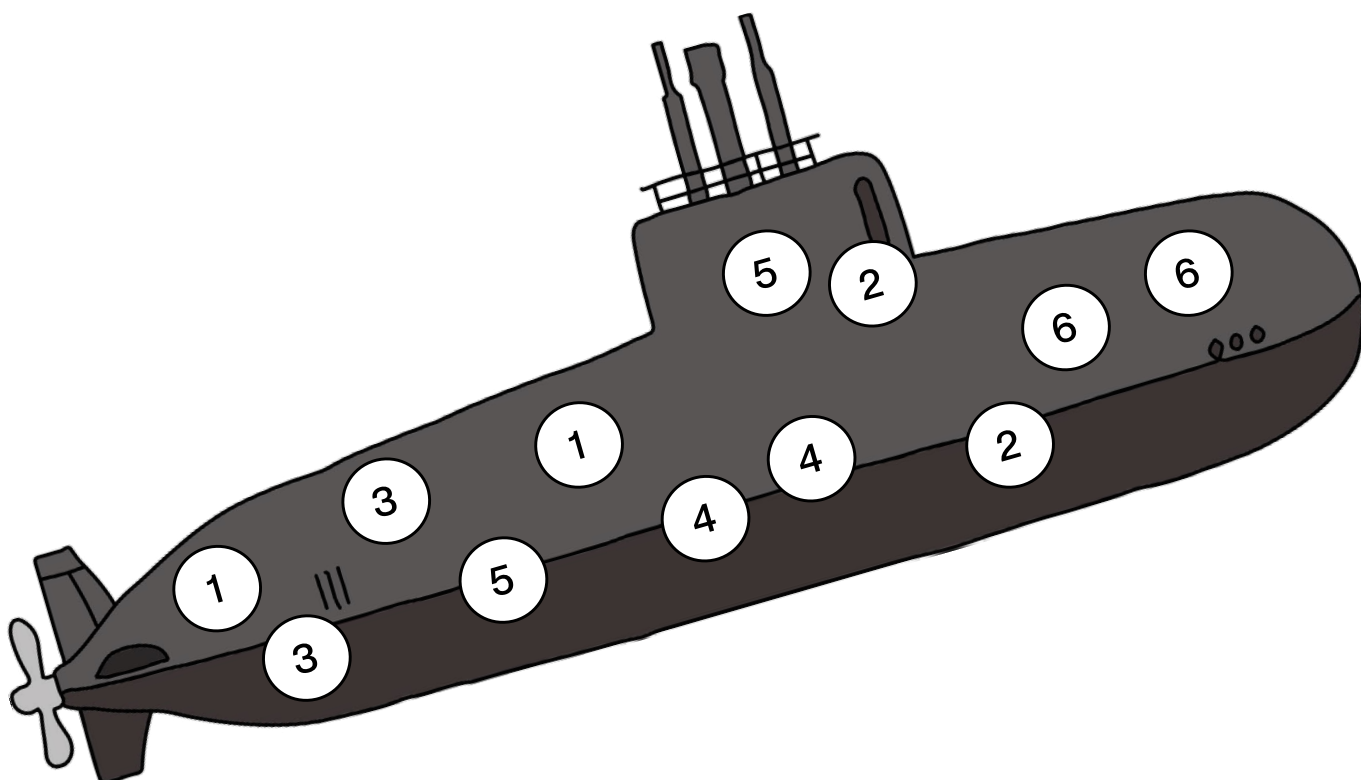
To elever spiller sammen.  
Hver elev ruller en terning annen hver gang.  
Fargelegg tallet du får.  
Hvem får fargelagt alle tallene på sin ubåt først?

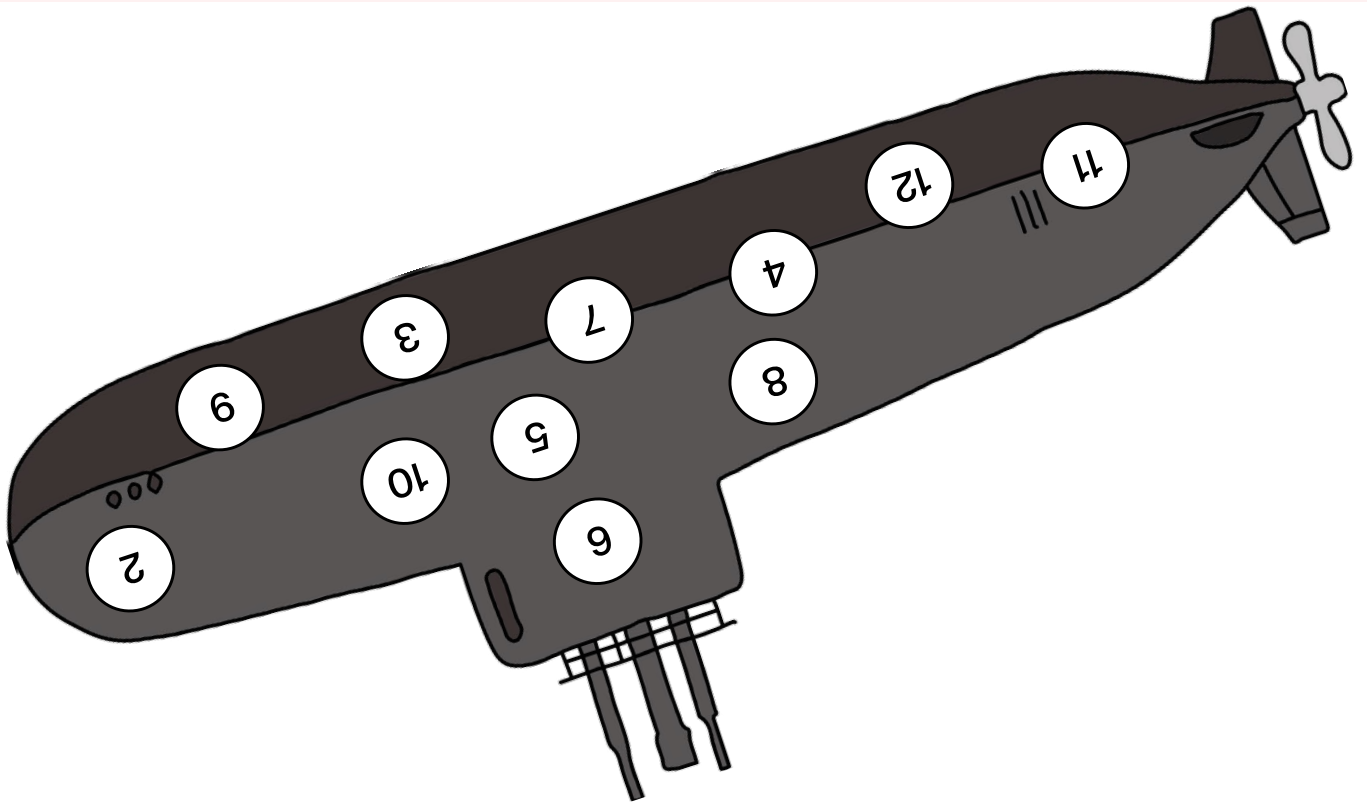




## 2. Hvem blir først ferdig?

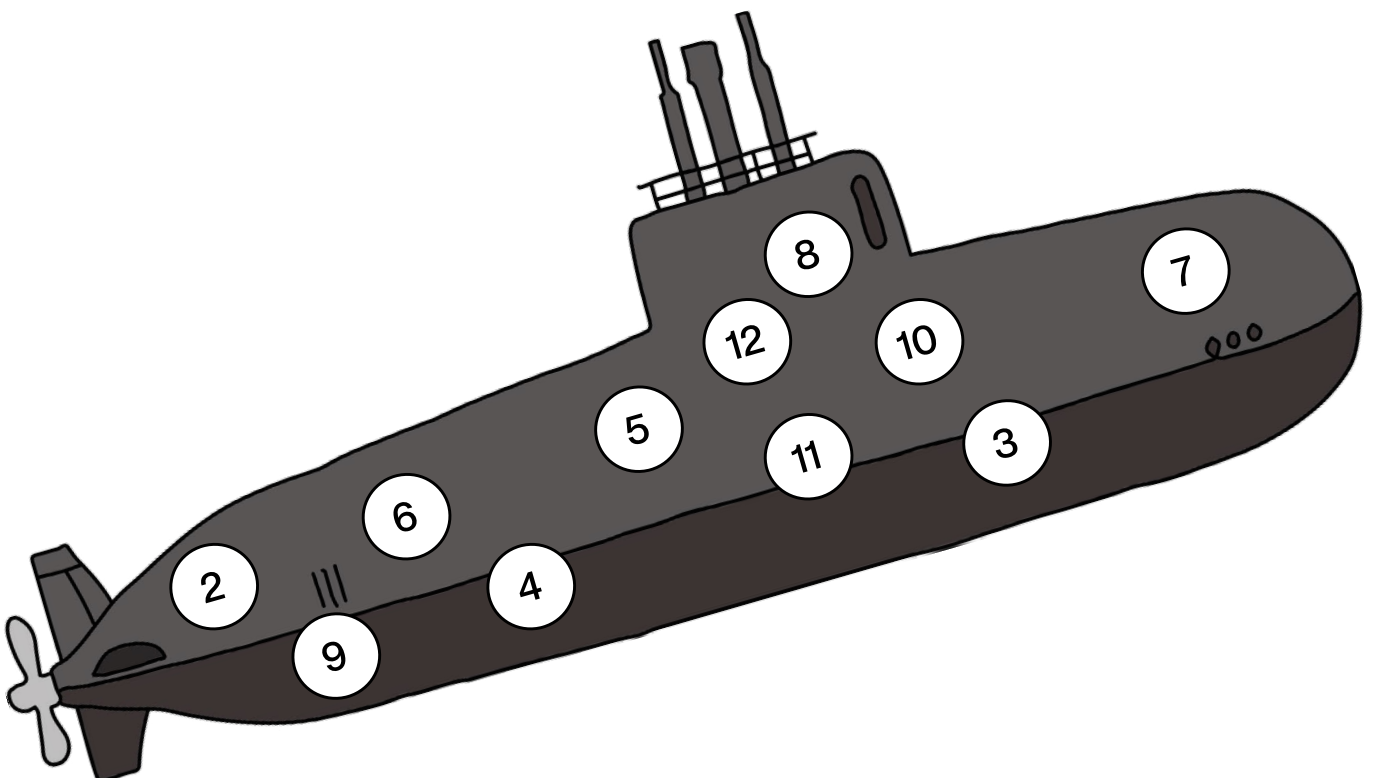
To elever spiller sammen.  
Hver elev ruller en terning annen hver gang. Fargelegg tallet du får.  
Dersom en elev får samme tall som i forrige runde,  
gir det rett til et ekstra kast.  
Hvem får fargelagt alle tallene på sin ubåt først?

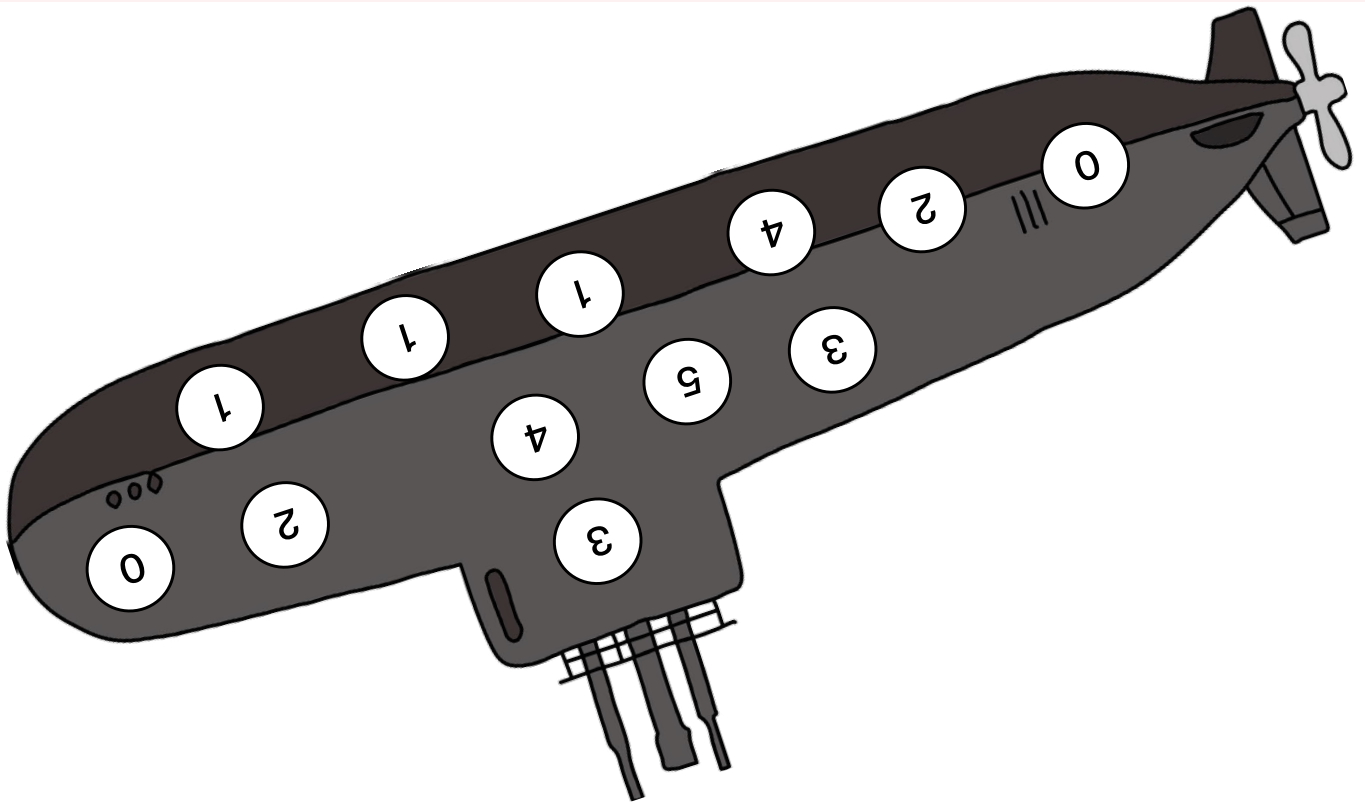




### 3. Hvem blir først ferdig?

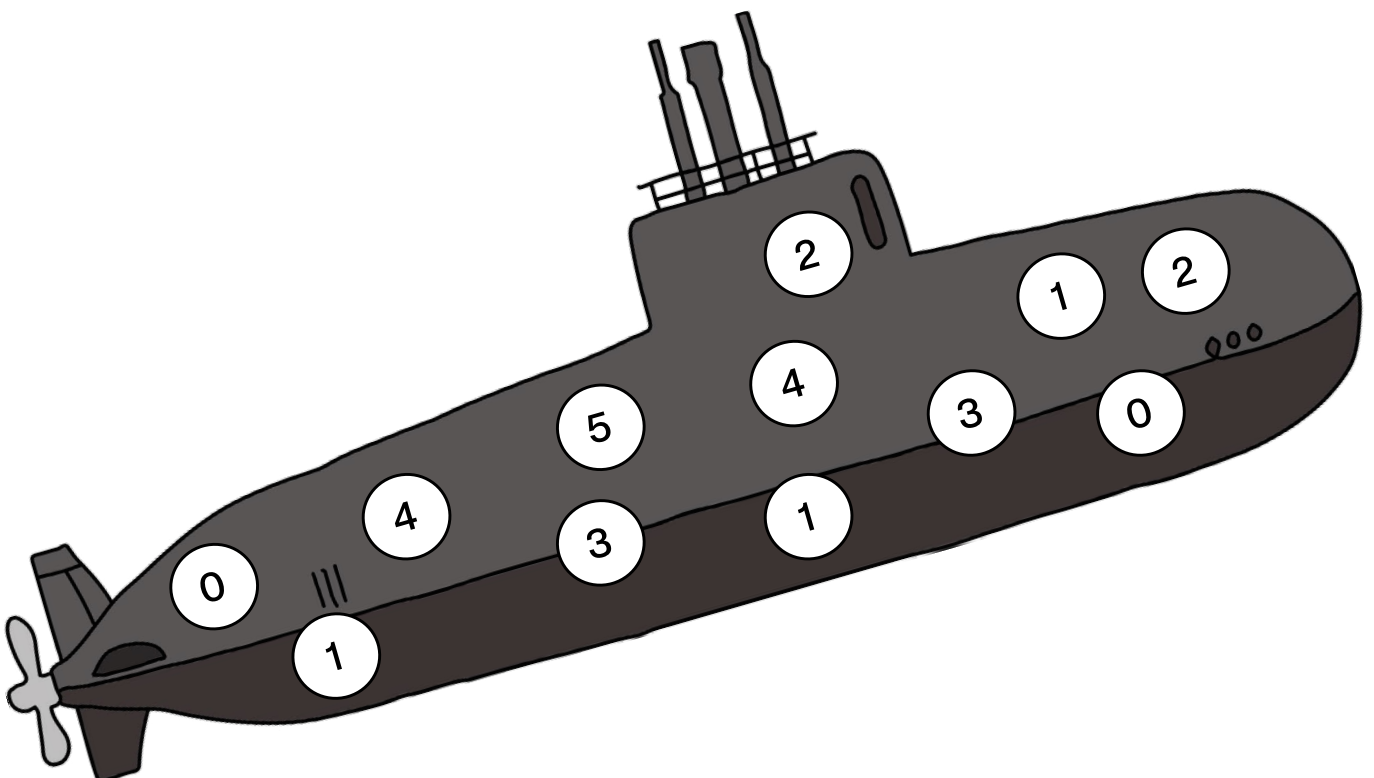
To elever spiller sammen.  
Hver spiller kaster to terninger, annen hver gang.  
Adder antall øyne og fargelegg tallet du får.  
Hvem får fargelagt alle tallene på sin ubåt først?

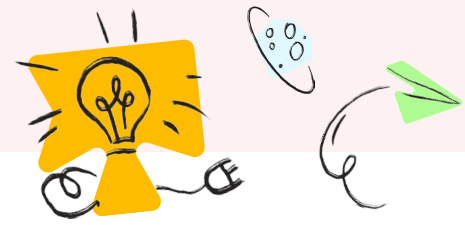




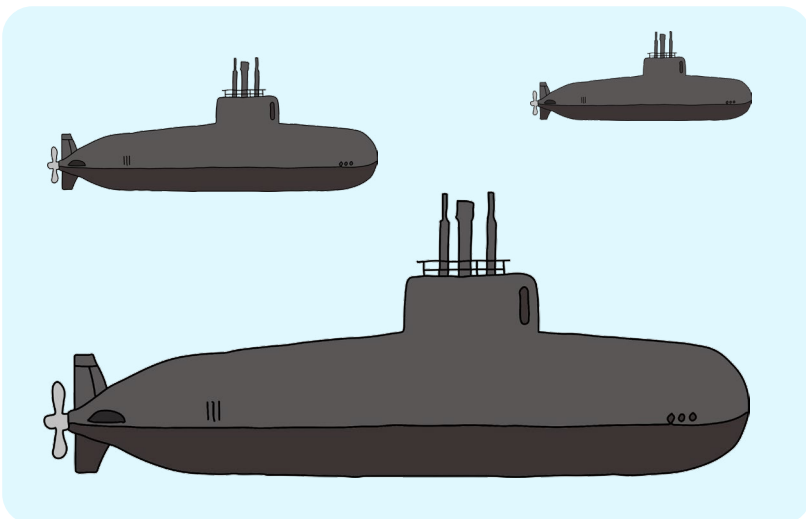
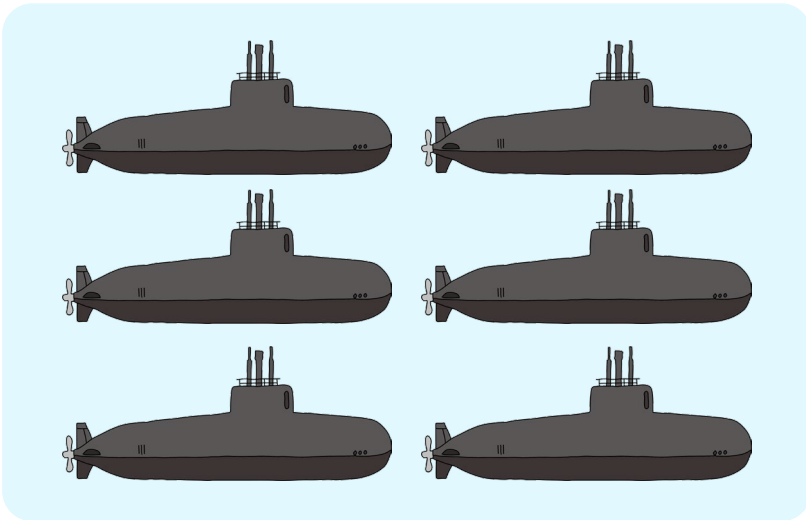
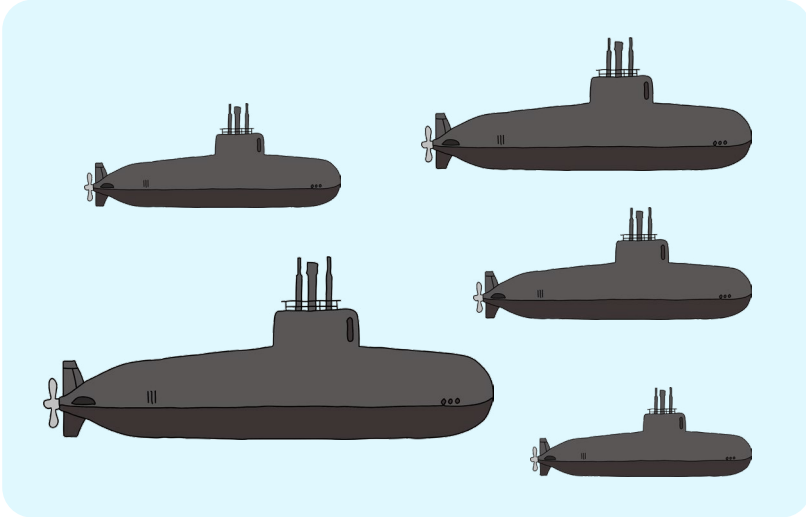
## 4. Hvem blir først ferdig?

To elever spiller sammen. Spiller nr. 1 kaster to terninger.  
Subtraher lavest antall øyne fra høyes antall øyne og fargelegg tallet du får.  
Spiller nr. 2 gjør så det samme. Hvem får fargelagt alle tallene på sin ubåt først?

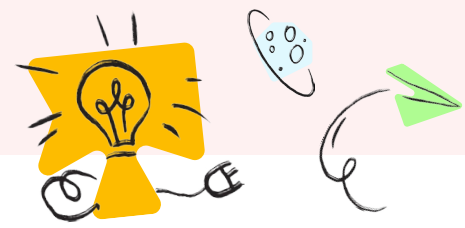




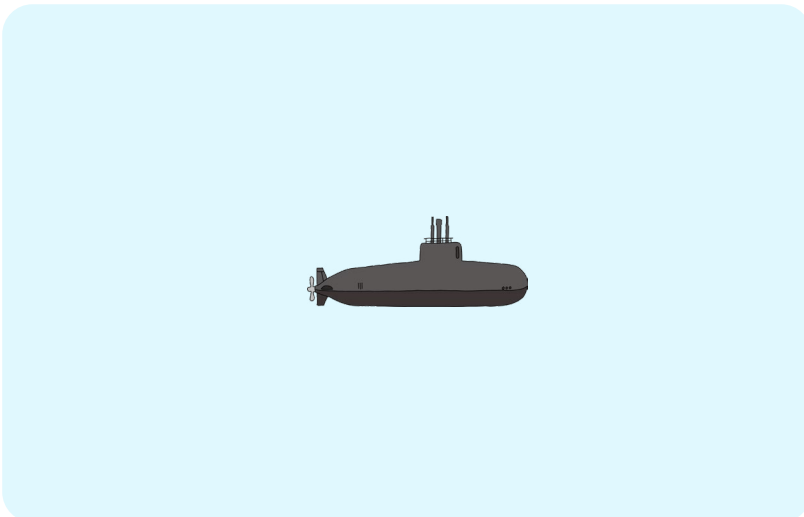
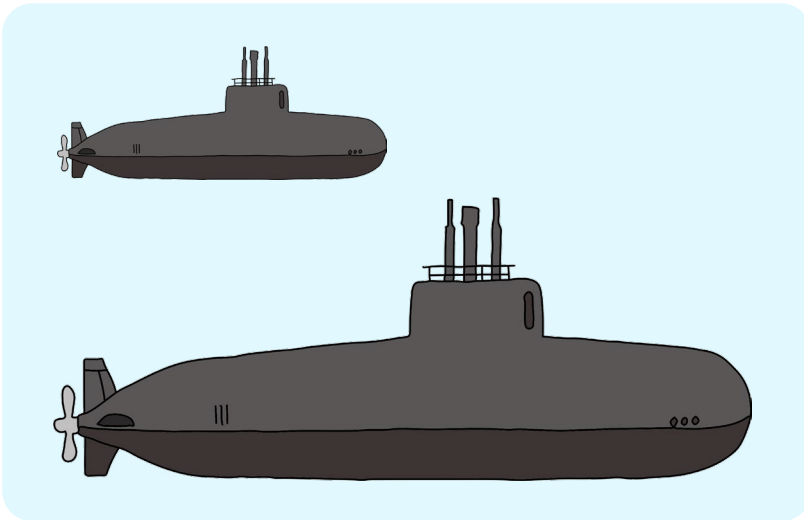
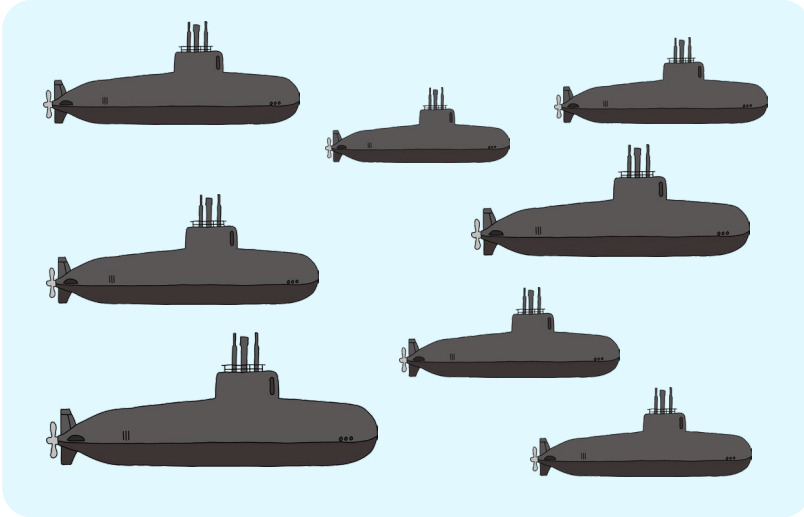
# Jeg kan telle

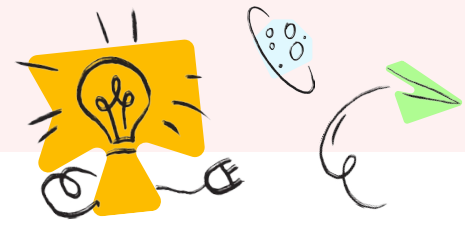




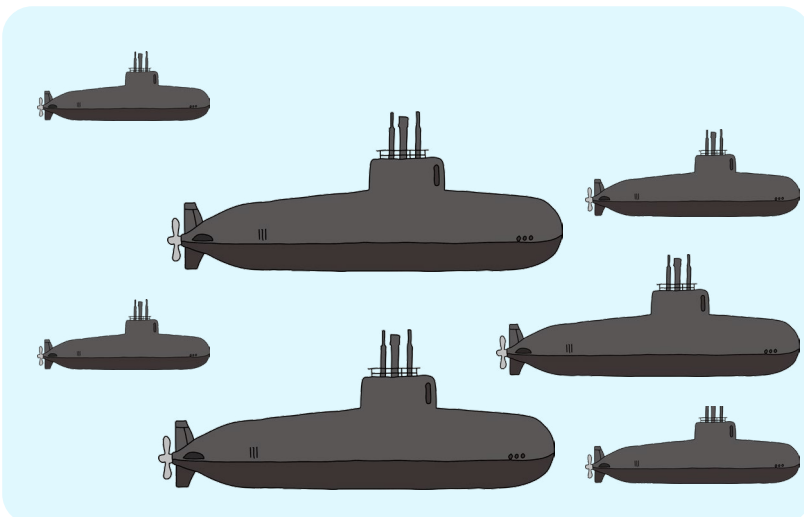
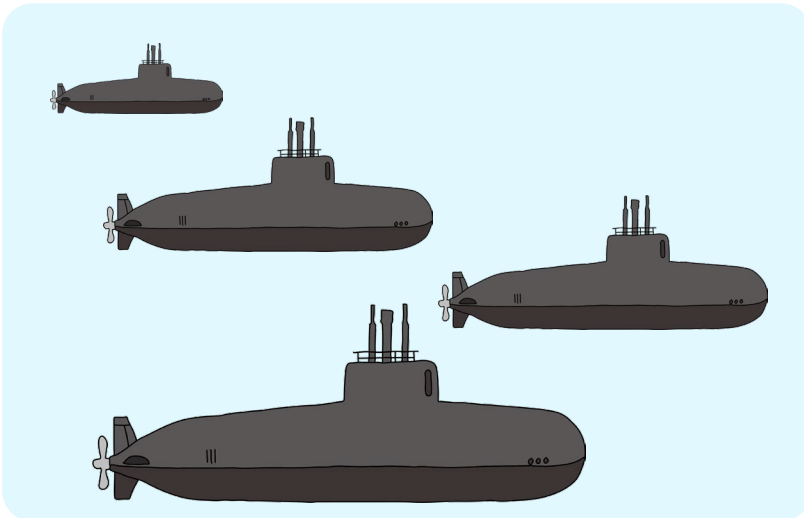
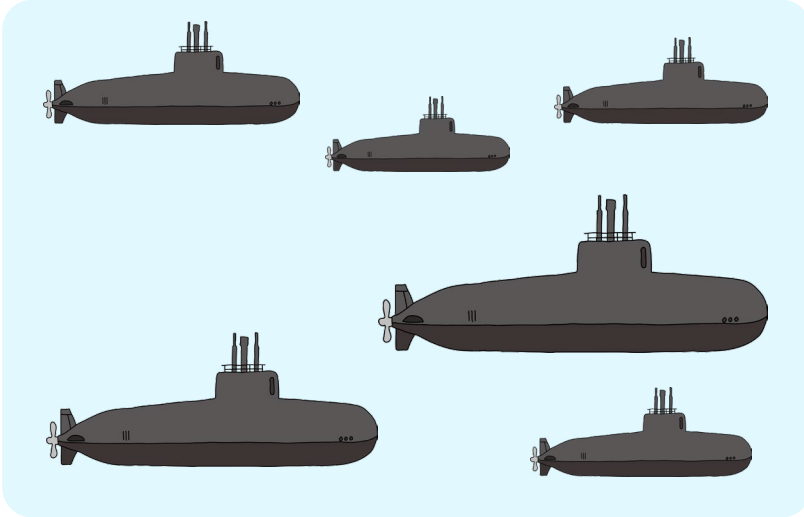


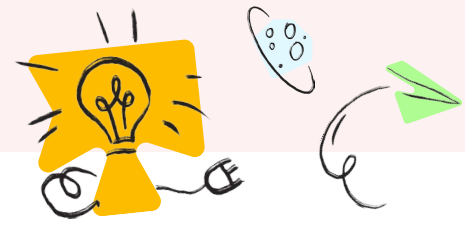
# Jeg kan telle



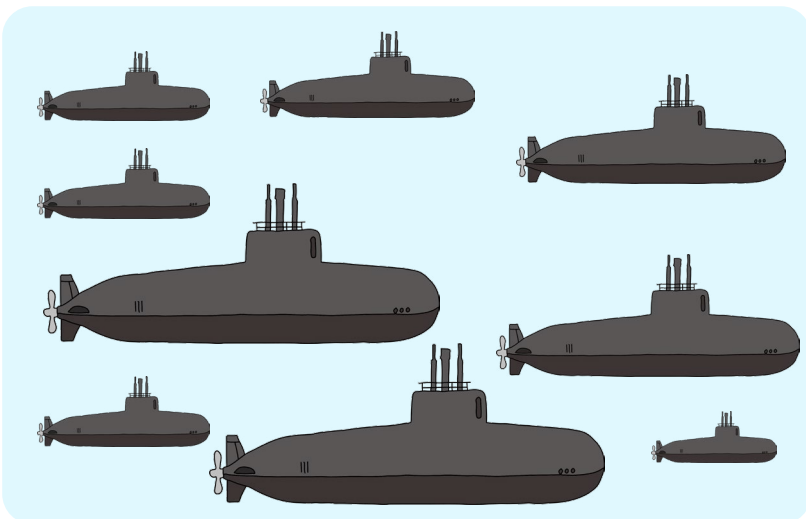
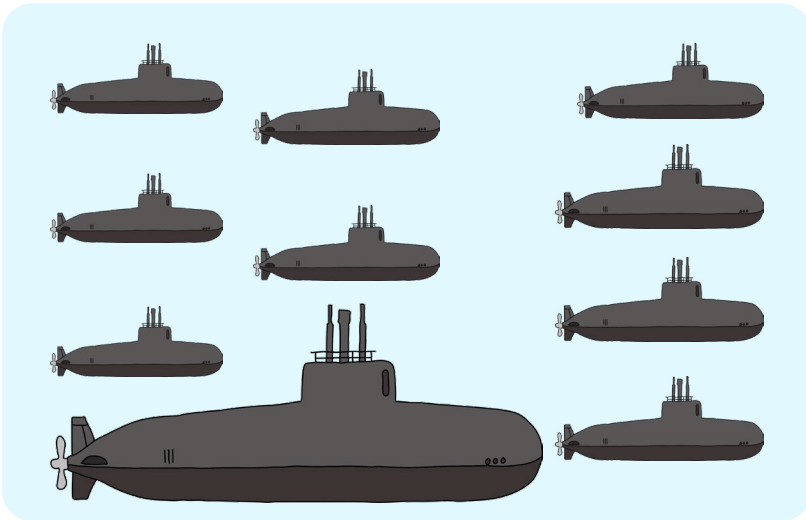
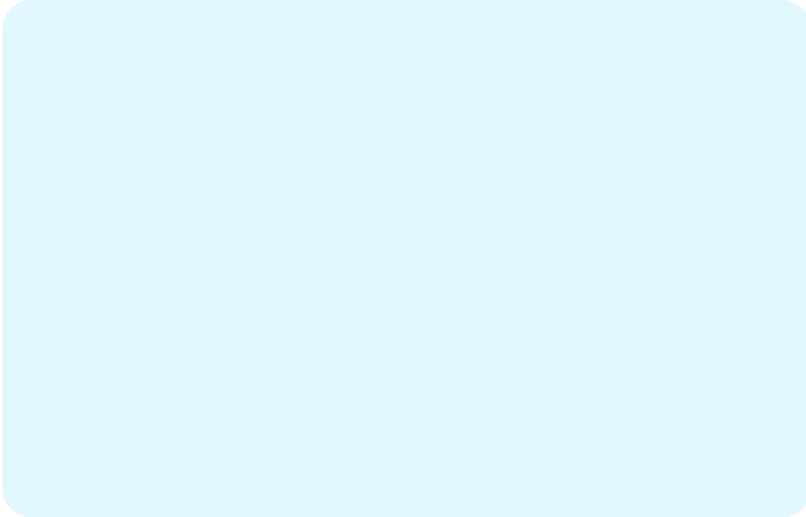


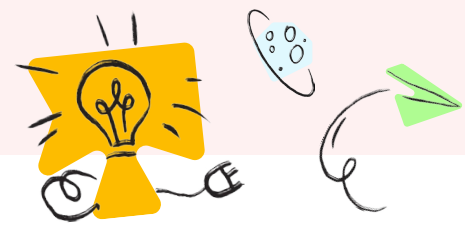
# Jeg kan telle





# Jeg kan telle





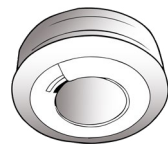
# Kan du løse oppgaven?

$$\text{Lightbulb} = 2$$

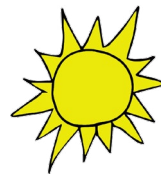
$$\text{Sun} = 4$$

$$\text{Rover} = 6$$

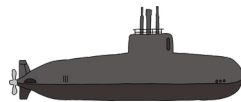
$$\text{Submarine} = 8$$



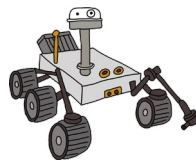
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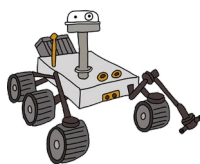
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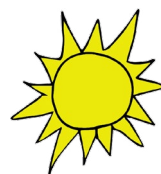
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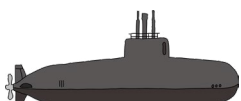
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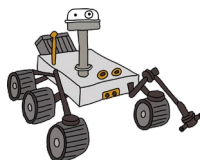
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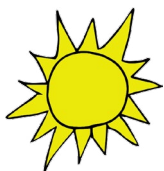
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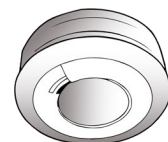
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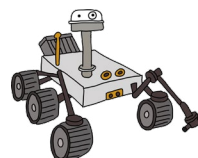
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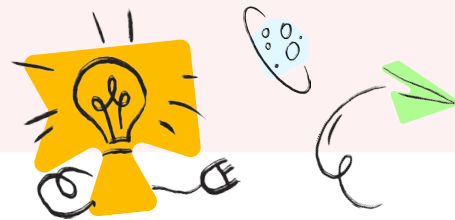
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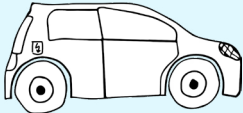
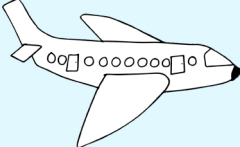
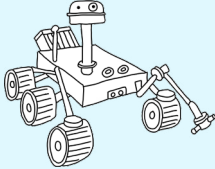
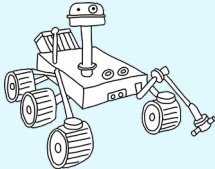
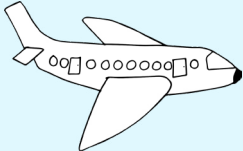

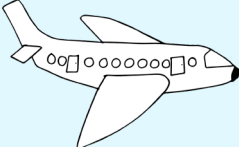

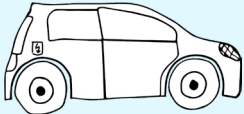
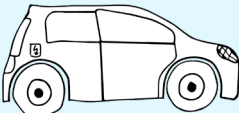

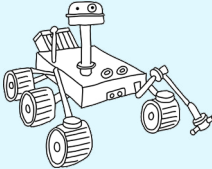
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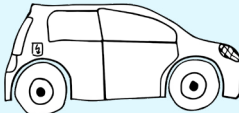
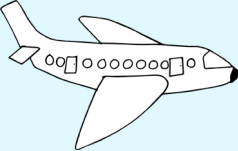
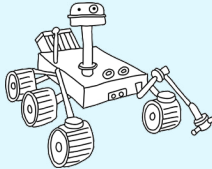

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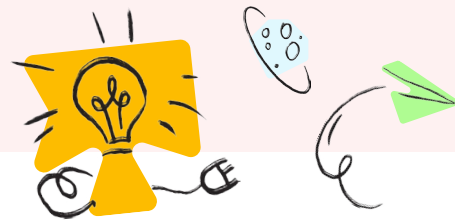
# 1. Sudoku – KJERNEENERGI

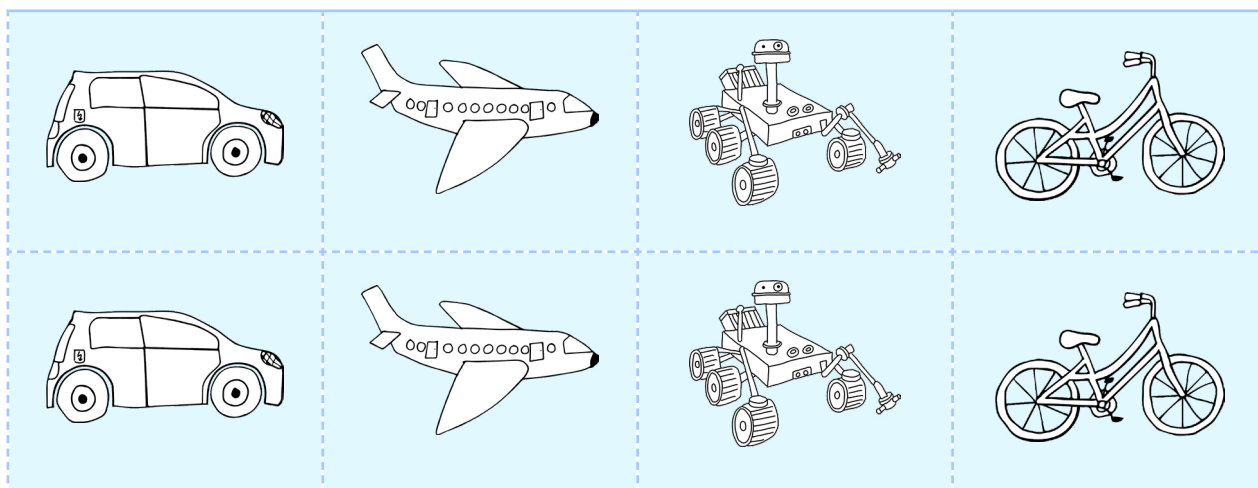
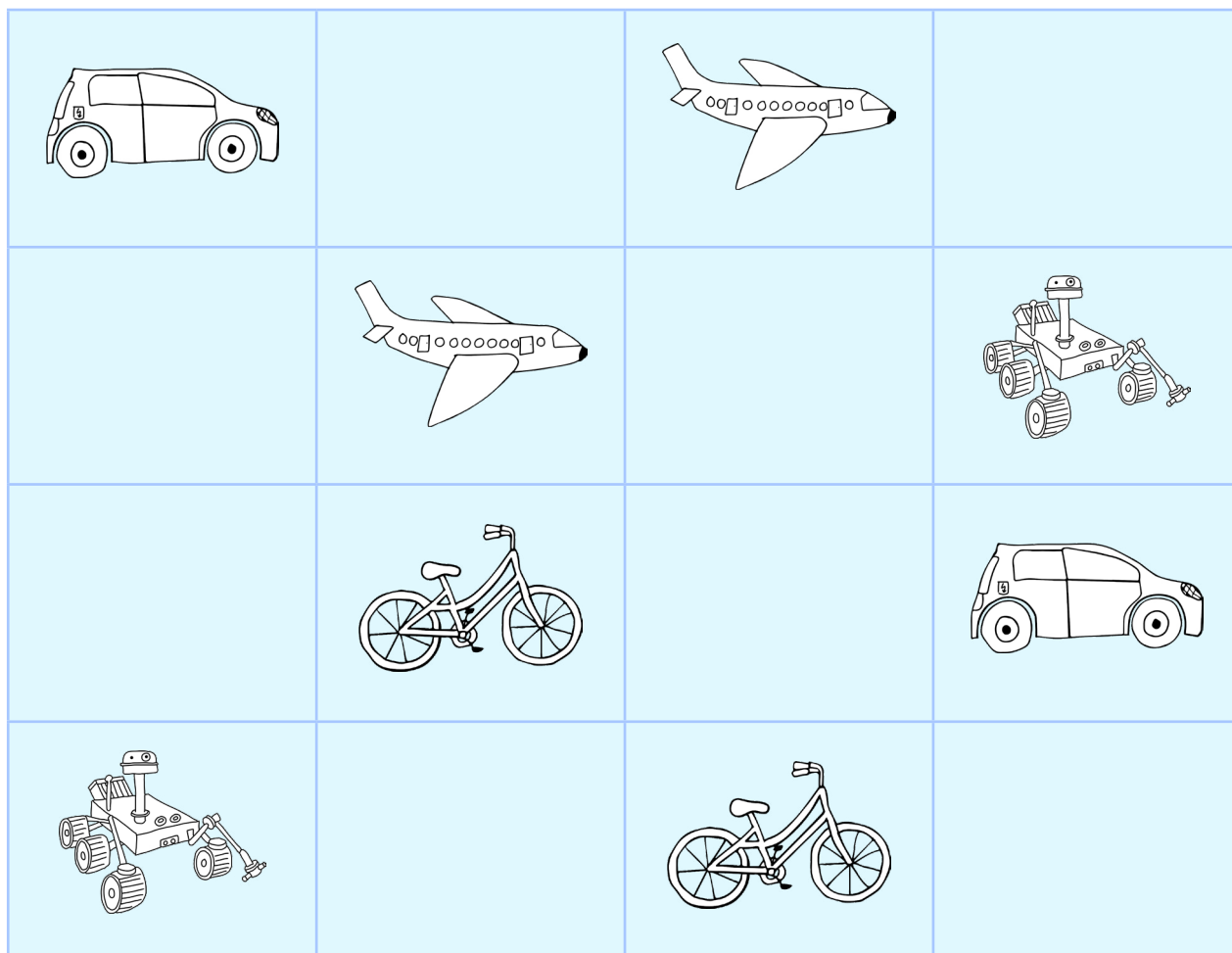


			
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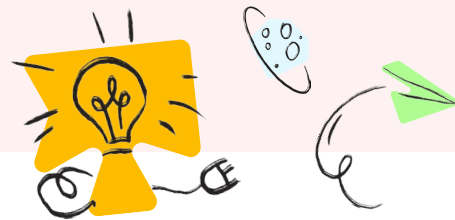
Klipp ut disse 4 brikkene og legg dem på riktig plass i rutenettet over.  
Husk at du ikke skal ha samme figur i samme rad vannrett eller loddrett. Lykke til!



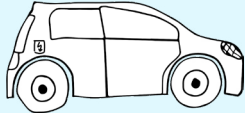
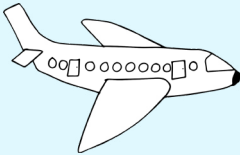
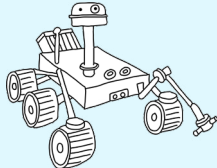
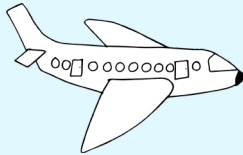

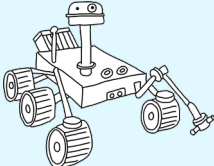
## 2. Sudoku – KJERNEENERGI



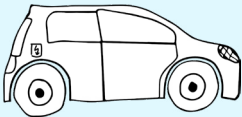
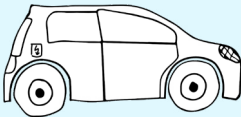
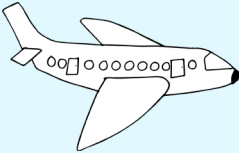
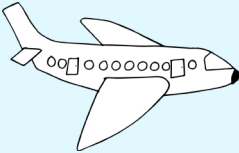
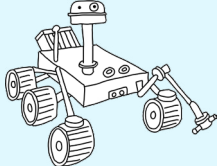
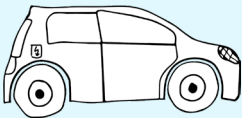



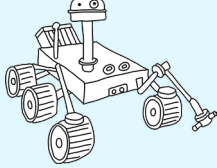
Klipp ut disse 8 brikkene og legg dem på riktig plass i rutenettet over.  
Husk at du ikke skal ha samme figur i samme rad vannrett eller loddrett. Lykke til!



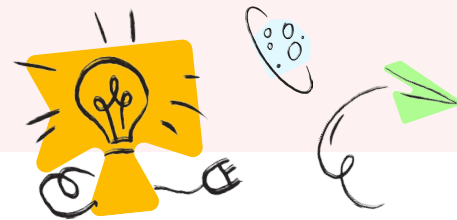
# 3. Sudoku – KJERNEENERGI

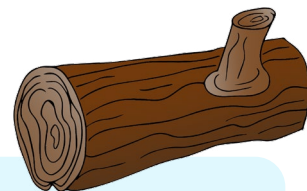


Klipp ut disse 10 brikkene og legg dem på riktig plass i rutenettet over.  
 Husk at du ikke skal ha samme figur i samme rad vannrett eller loddrett. Lykke til!



## Hvilket tall mangler?



$1 + \square = 4$

$2 + \square = 6$

$3 + \square = 8$

$\square + 2 = 5$

$\square + 4 = 7$

$5 + \square = 6$

$\square + 3 = 9$

$5 + \square = 10$

$6 + \square = 8$

$2 + \square = 6$

$5 + \square = 5$

$1 + \square = 6$

$4 + \square = 6$

$\square + 6 = 7$

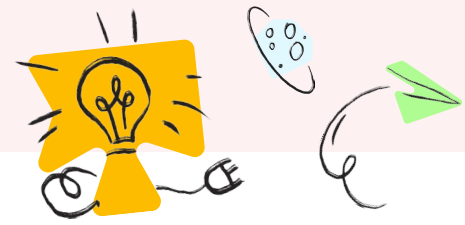
$\square + 4 = 8$

$5 + \square = 9$

$\square + 3 = 4$

$6 + \square = 10$





# Hvilket tall mangler?



$3 + \square = 7$

$4 + \square = 8$

$5 + \square = 9$

$\square + 3 = 10$

$\square + 2 = 7$

$6 + \square = 6$

$\square + 2 = 9$

$5 + \square = 8$

$\square + 4 = 8$

$2 + \square = 7$

$5 + \square = 8$

$4 + \square = 9$

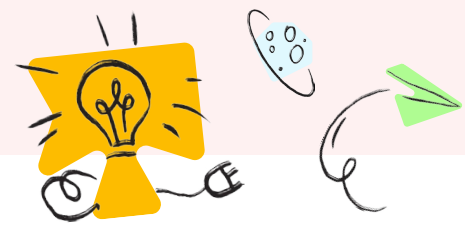
$\square + 6 = 6$

$\square + 4 = 7$

$8 + \square = 9$

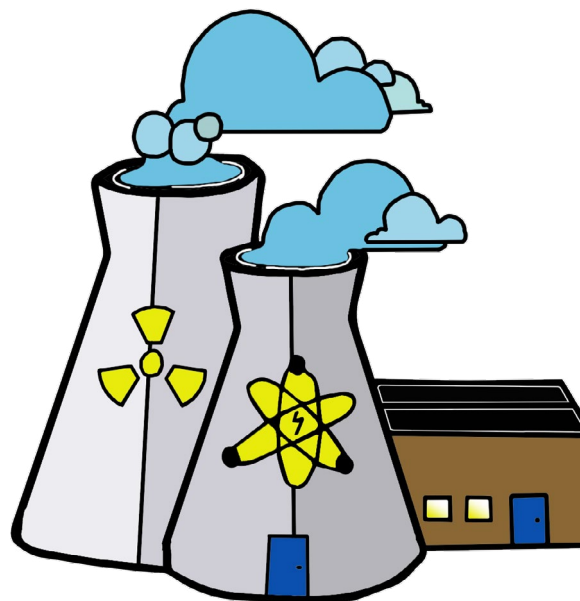
$\square + 3 = 5$

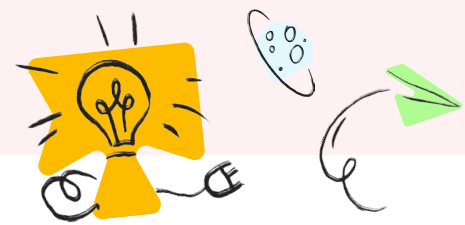
$4 + \square = 10$



## Fyll inn bokstaver som mangler

\_jerneenergi blir brukt i \_jernekraftverk for å danne \_lektrisitet. Kjernefysiske reaksjoner, splitter \_ran-kjerner. Dette frigjør enorme mengder \_nergi som blir brukt til å varme opp vann og produsere \_amp. Dampen blir brukt til å drive store \_urbiner til å snurre rundt fort. Turbinene driver \_eneratorer som lager \_lektrisitet.

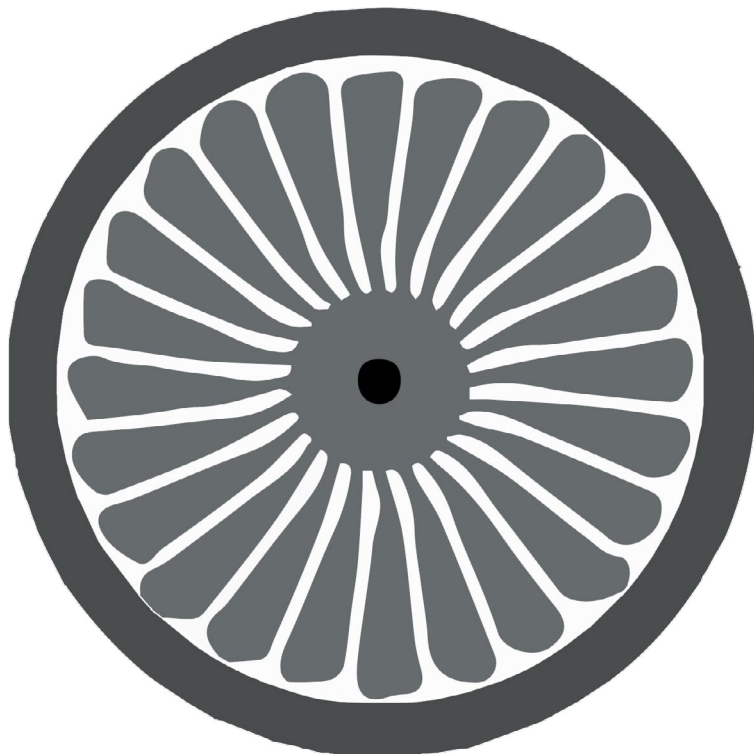


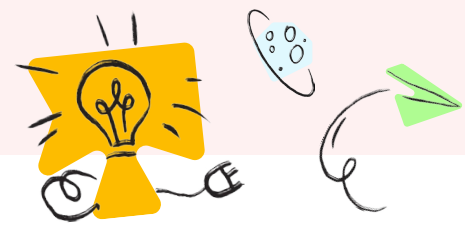


## Fyll inn ordene som mangler

Kjerne-\_\_\_\_\_ blir brukt i kjerne-\_\_\_\_\_ for å danne elektrisitet. Kjernefysiske reaksjoner, splitter \_\_\_\_\_-kjerner. Dette frigjør enorme mengder \_\_\_\_\_ som blir brukt til å varme opp \_\_\_\_\_ og produsere \_\_\_\_\_.

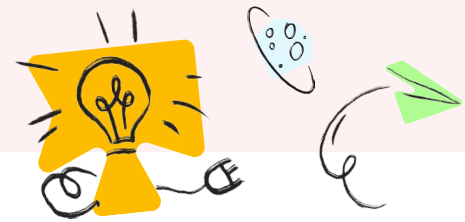
Dampen blir brukt til å drive store \_\_\_\_\_ til å snurre rundt fort. Turbinene driver \_\_\_\_\_ som lager elektrisitet.





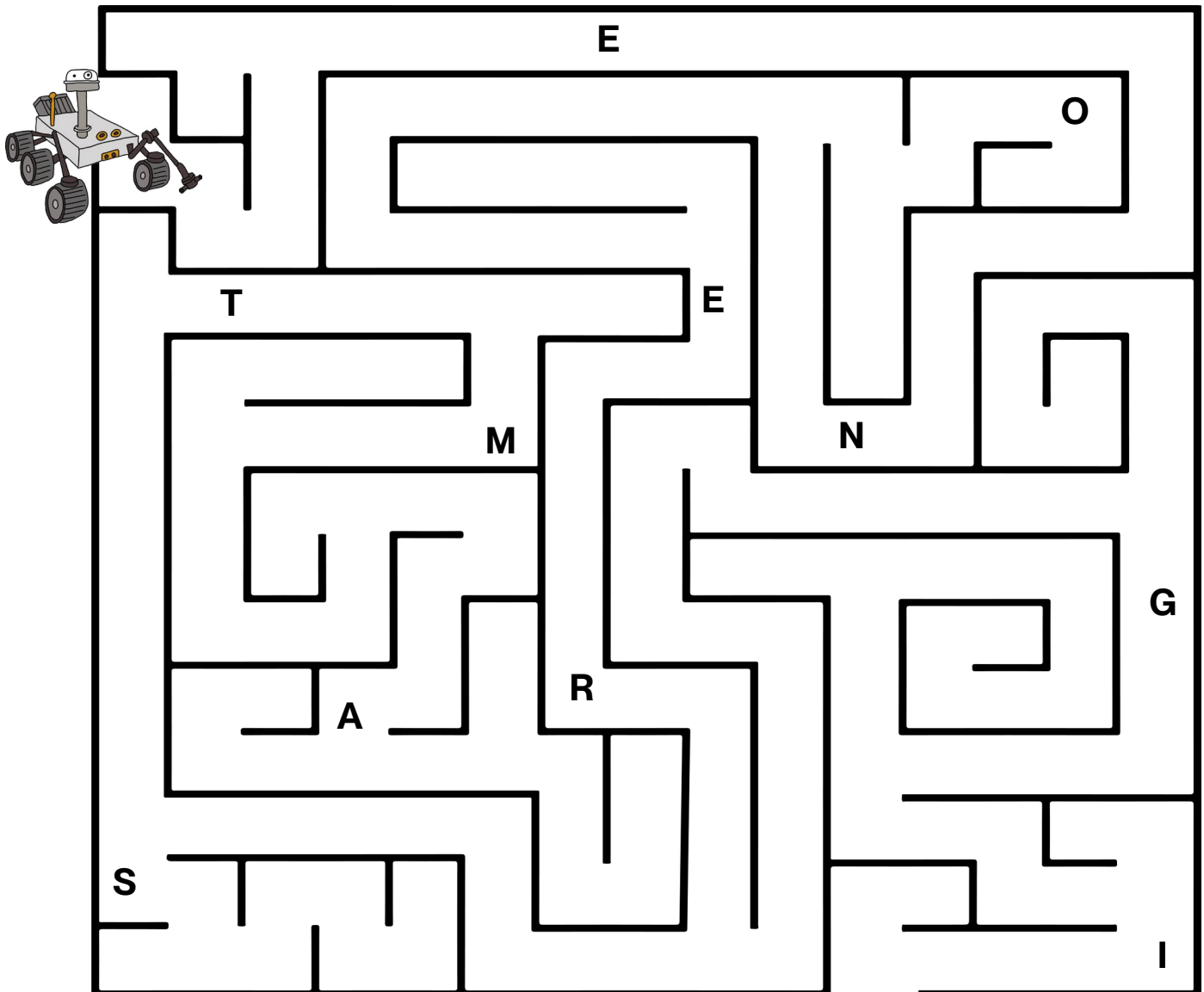
## Finn ordene som er gjemt i teksten

palkesrnlakqrkjerneenergiærnfaidjsraknsdfnmj  
kjernekraftverkajriuawefnklelektrisitetlakwjrjfnk  
as qdrnvmaktdfreaksjonerardasrmckrøsplitternz  
md mfaøsqkråmvuranøalsekraødmqasdklrhlqw  
åenergiåapesorfvasdlirnxflsjdrmvannäpseorqva  
øsd rkmafdrsøppelsødnkajhgkiweraæsdfdampvn  
øseorkøasediorjturbineraeræøkatjuoabaxerfing  
alettergeneratorerøftpølseglakerkelektrisitetaer  
ionvalkdrløøkjernepmfølisndwukleenergiatreaoak  
vakdrsolaaprmasdøgkjstrømqwåæøåhipphurraf  
erdigalksdrøkkluåvarme



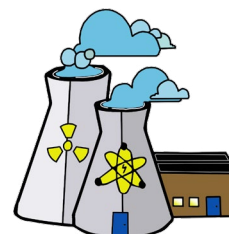
# Hjelp Curiosity

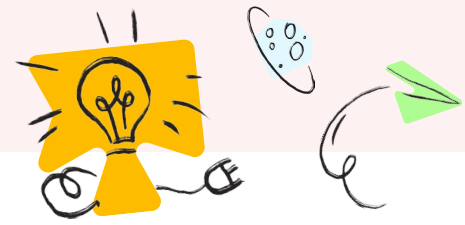
Hjelp Curiosity tilbake til kraftverket. Hvilke bokstaver finner du på veien?  
Hvilket ord blir dette?



Skriv ordet du fant:

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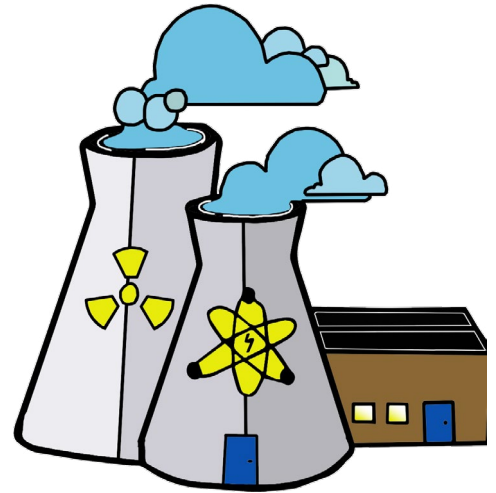


## A. Les teksten godt og lær deg rekkefølgen

Atomkraft lager farlig søppel.

Det må legges inni fjell.

Der må det ligge i tusen år.



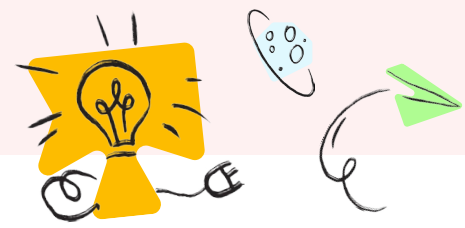
## B. Klipp ut setningene og sorter dem i riktig rekkefølge



Det må legges inni fjell.

Atomkraft lager farlig søppel.

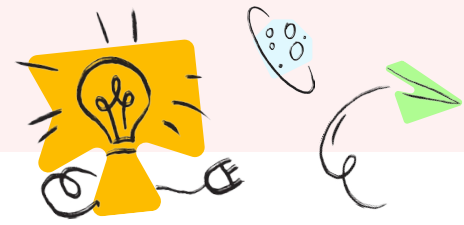
Der må det ligge i tusen år.



## A. Les teksten godt og lær deg rekkefølgen

1. I kjernekraftverket splittes urankjerner.
2. Dette frigjør enorme mengder energi.
3. Energien varmer opp vann.
4. Kokende vann lager damp.
5. Dampen snurrer store turbiner rundt.
6. Turbinene snurrer generatorer rundt.
7. Generatorer lager elektrisitet.





## B. Klipp ut setningene og sortér dem i riktig rekkefølge



Turbinene snurrer generatorer rundt.

Energien varmer opp vann.

Dette frigjør enorme mengder energi.

Kokende vann lager damp.

I kjernekraftverket splittes urankjerner.

Generatorer lager elektrisitet.

Dampen snurrer store turbiner rundt.