

Astronomía para poetas (2014)

Universidad
Industrial de
Santander



- Unidad: 05
- Clase: 02
- Fecha: 20150127M
- Contenido: Astrobiología – 2da parte
- Web: <http://halley.uis.edu.co/astronomia>
- Archivo: 20150127M-HA-astrobiologia2.opd

Escuela
de Física



Universidad
Industrial de
Santander

Grupo Halley
Astronomía y Ciencias Aeroespaciales



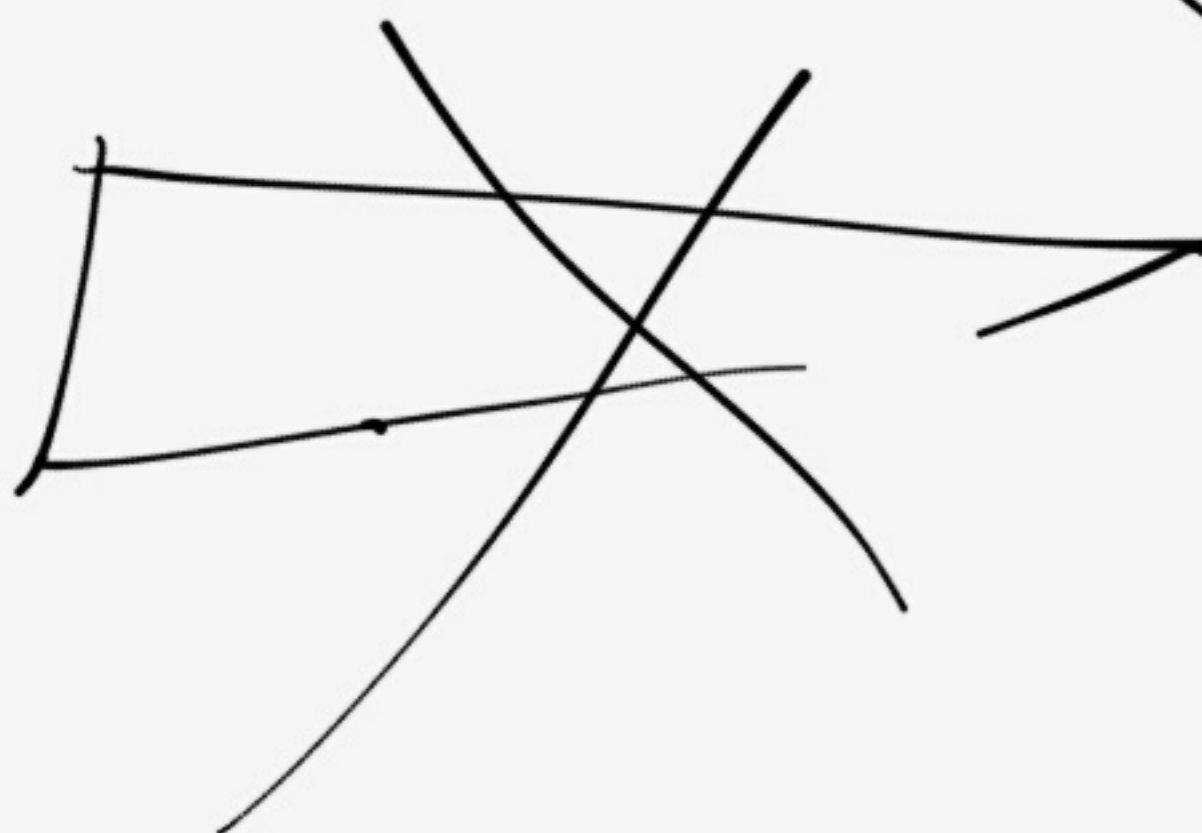
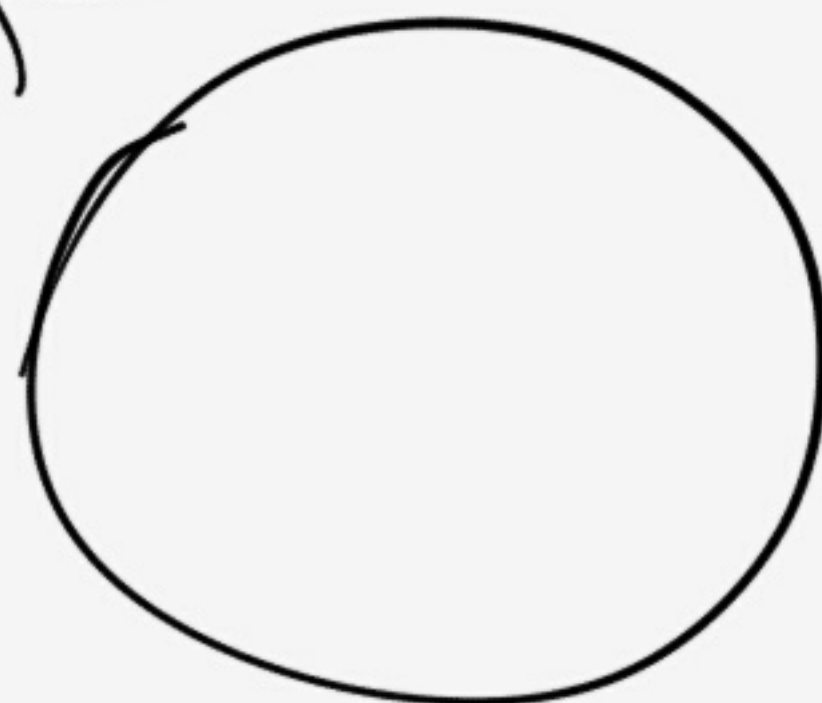
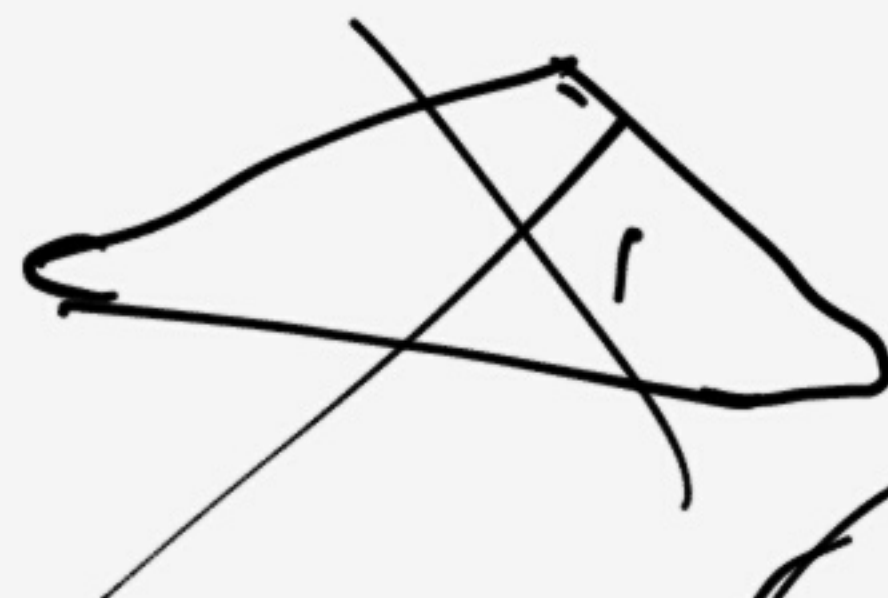
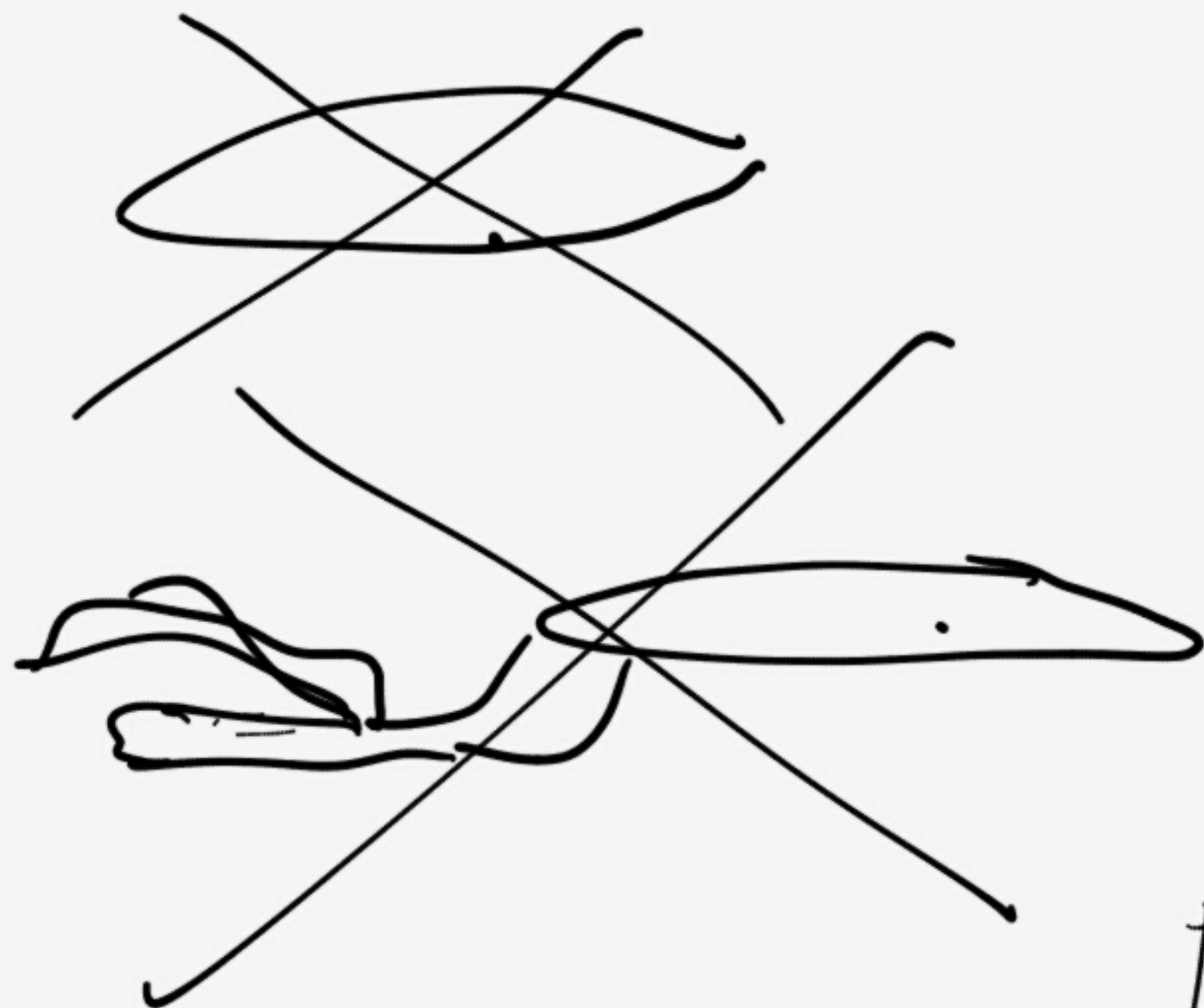
VIDA.

↳ El ciclo del Centro Galáctico

Gregory Benford.

Cien años Tricent.

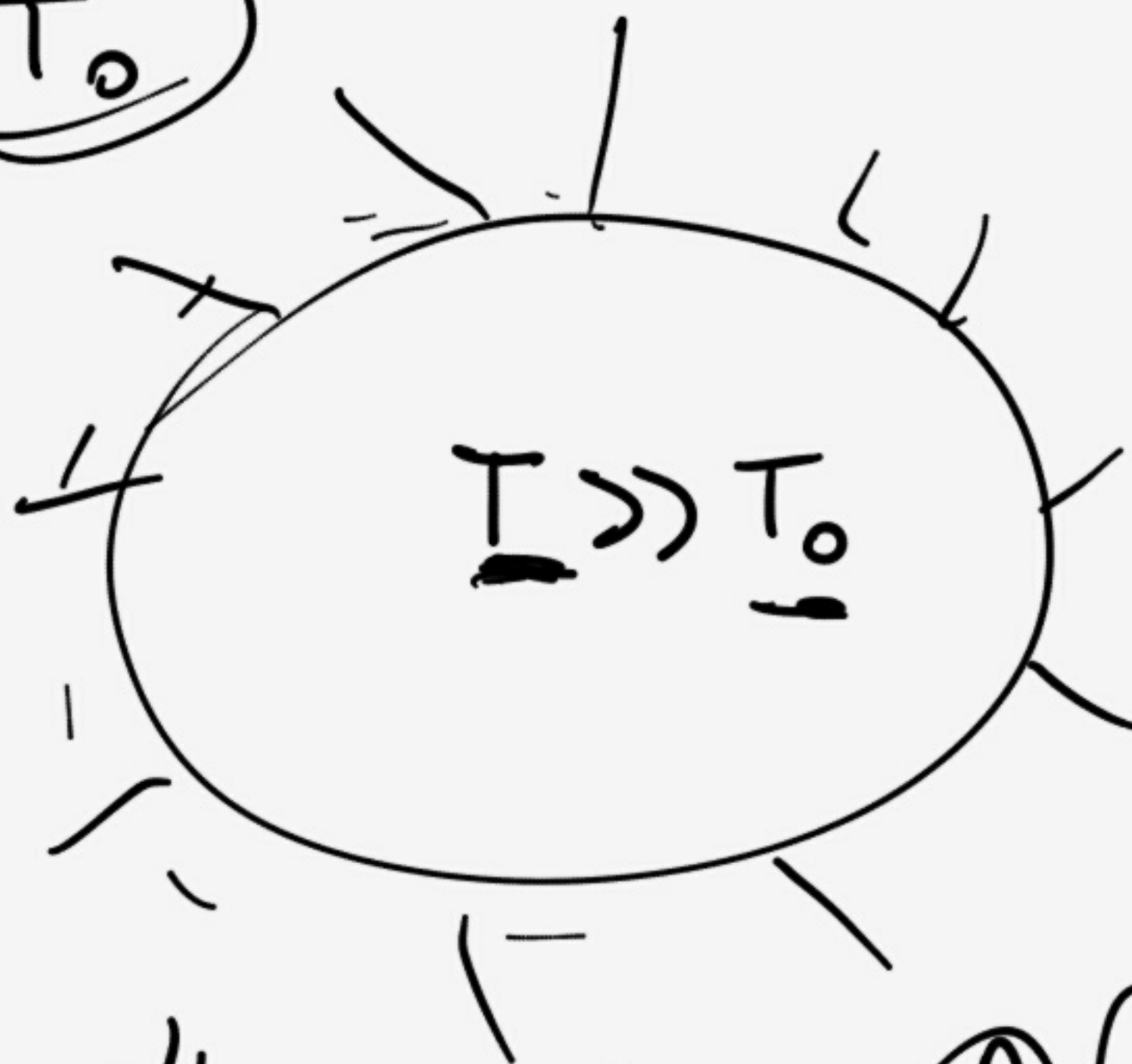
→ 6 l'km.
MECS



$$2.7 \text{ K} = T_0$$

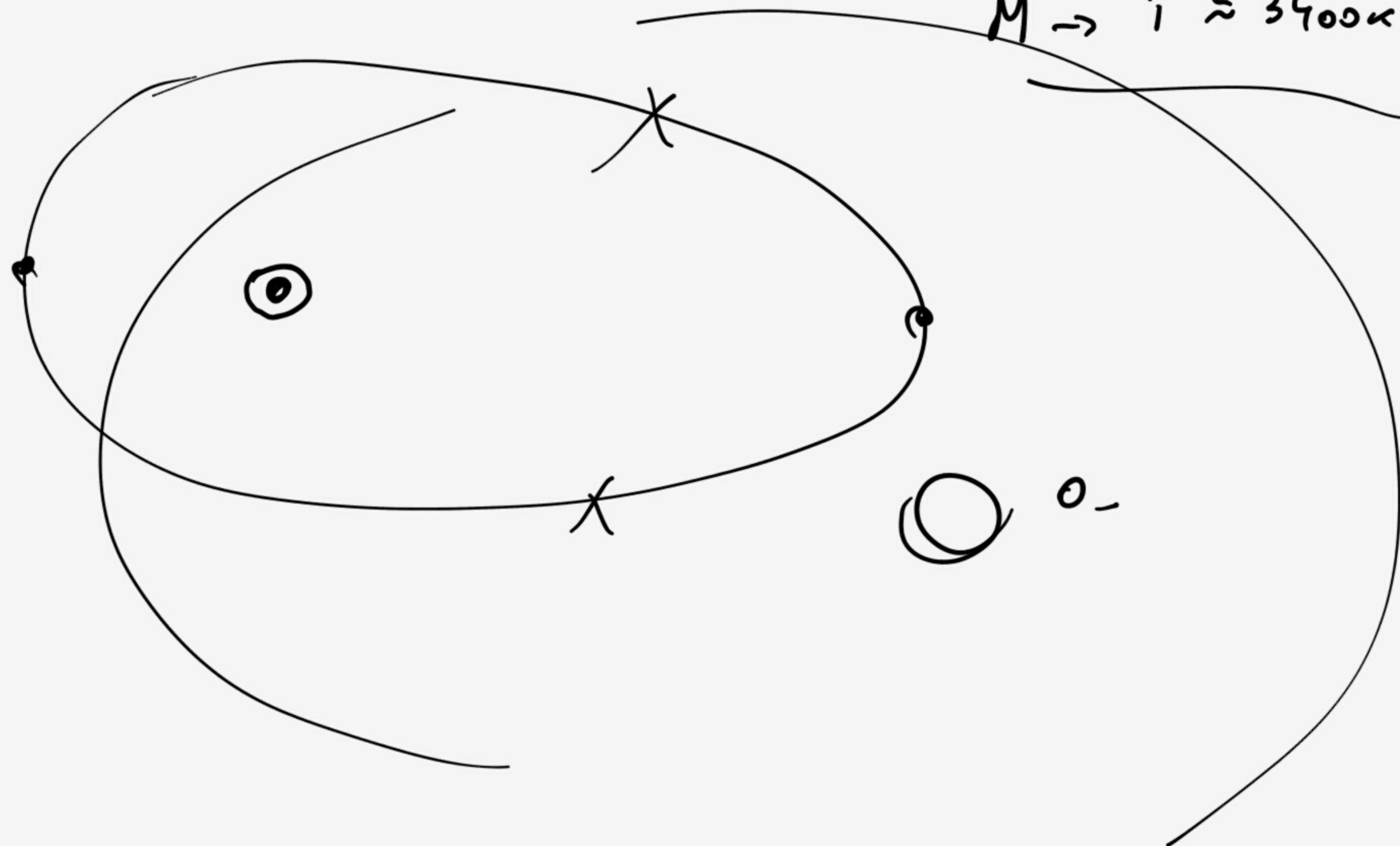
$$-270.6^\circ \text{C}$$

$$\text{Volume} \approx l^3$$



$$L = \sigma A T^4 \rightarrow L = \sigma A (T^4 - T_0^4)$$

$M \rightarrow \tau \approx 3400\kappa$



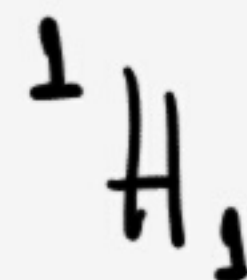
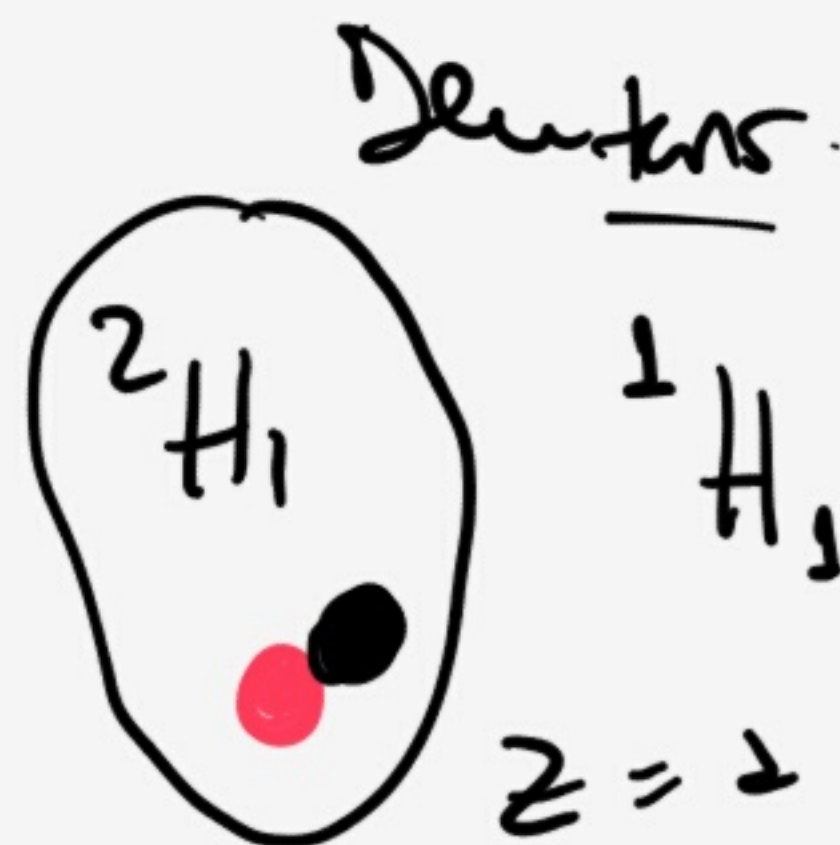
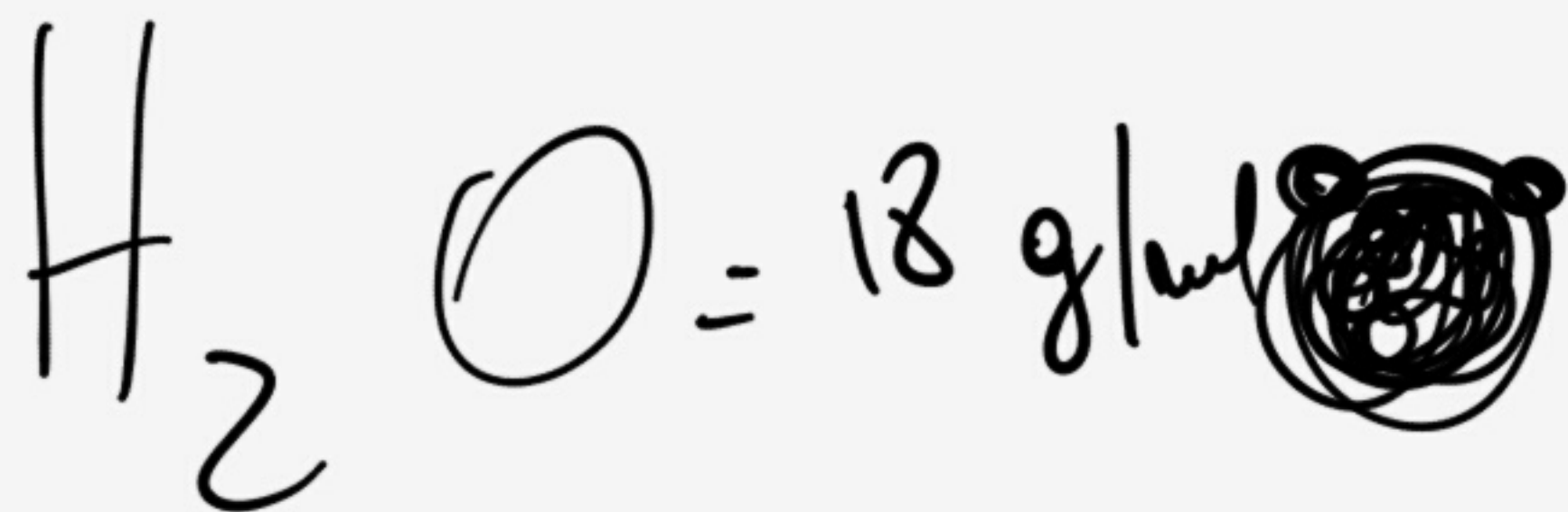
Vire nripis g narién jover

↳ O, B

↳ 250 . 000 . 000 231 .

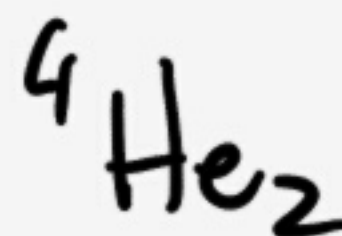


11



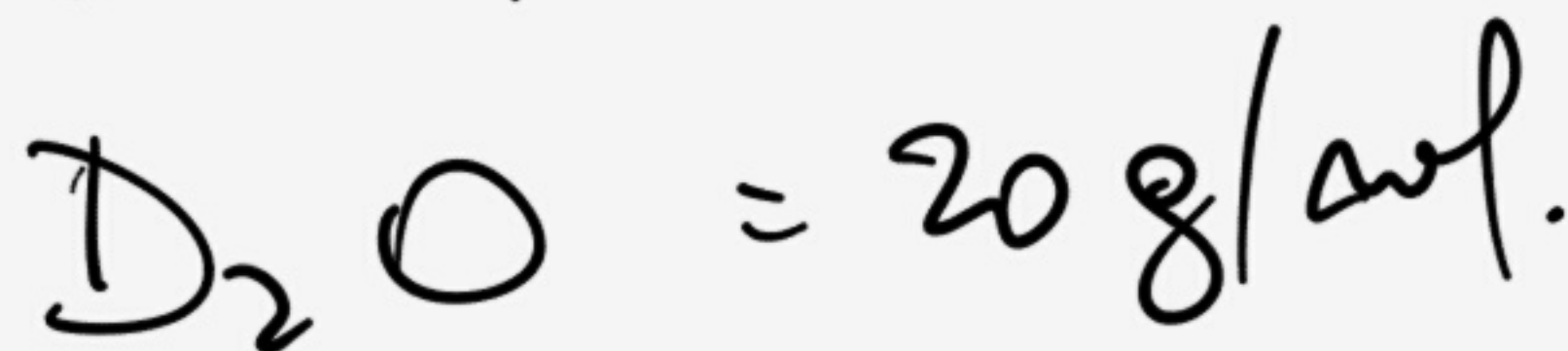
$$Z=1$$

$$A=1$$



$$Z=2$$

$$A=4$$



60% de la adición viene del espacio.



1,000 mts
200 ce.

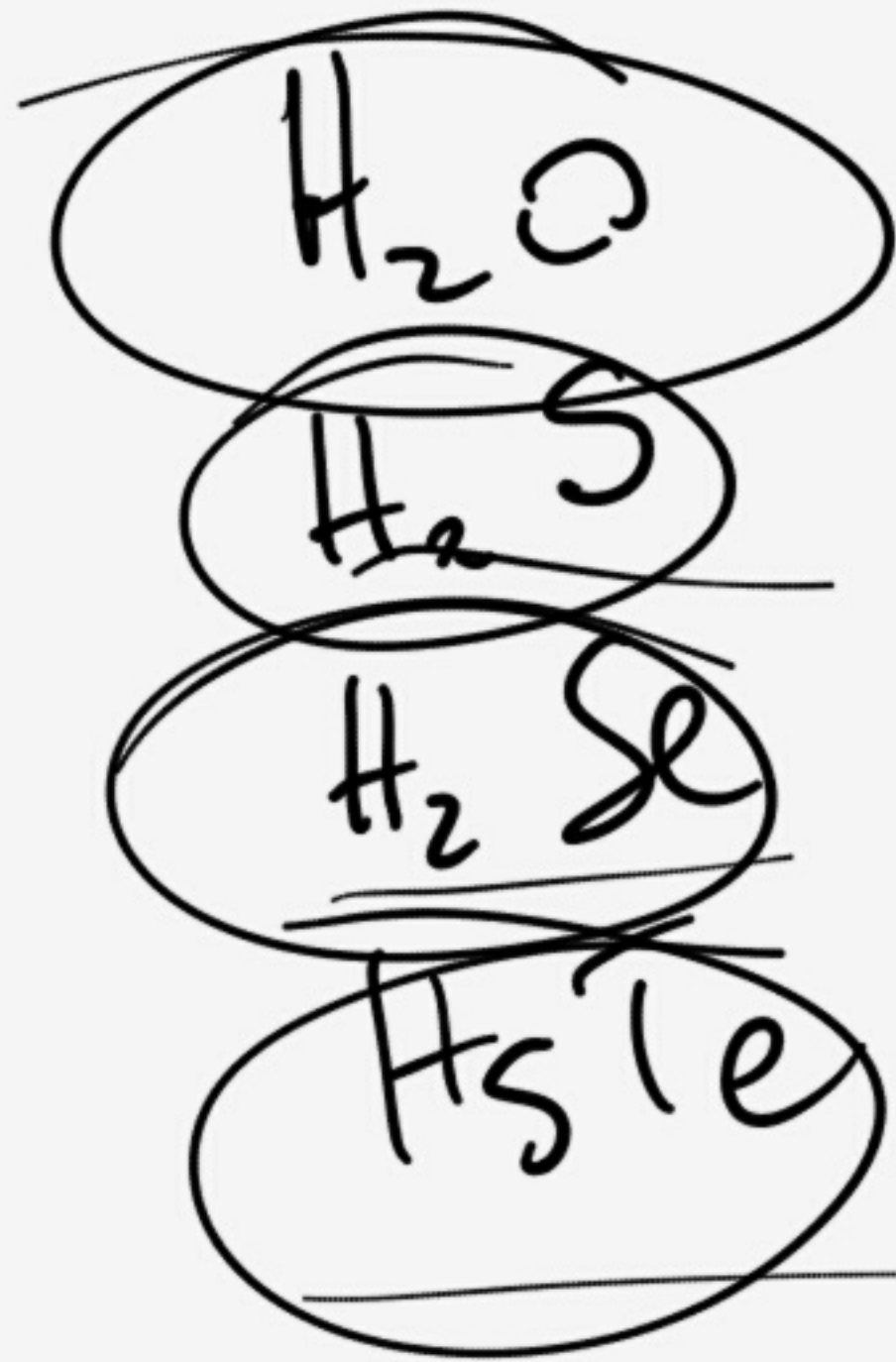
1



Amplejor

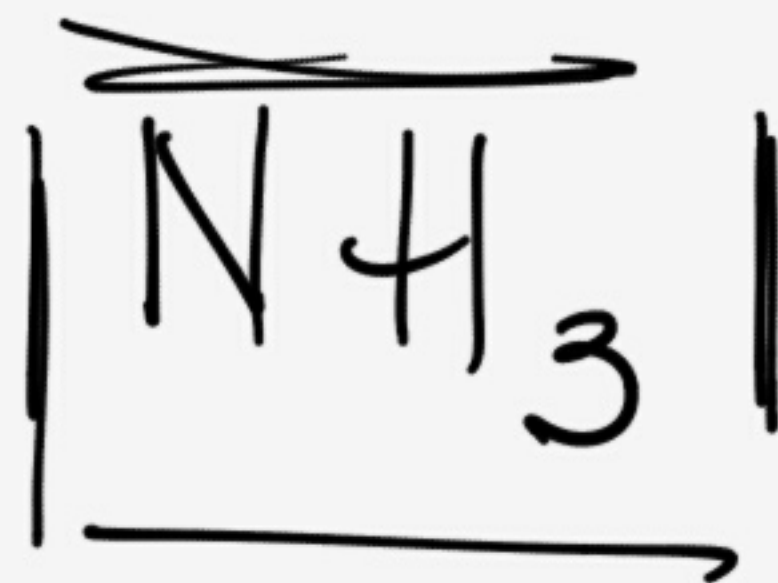


Carbon
Colic



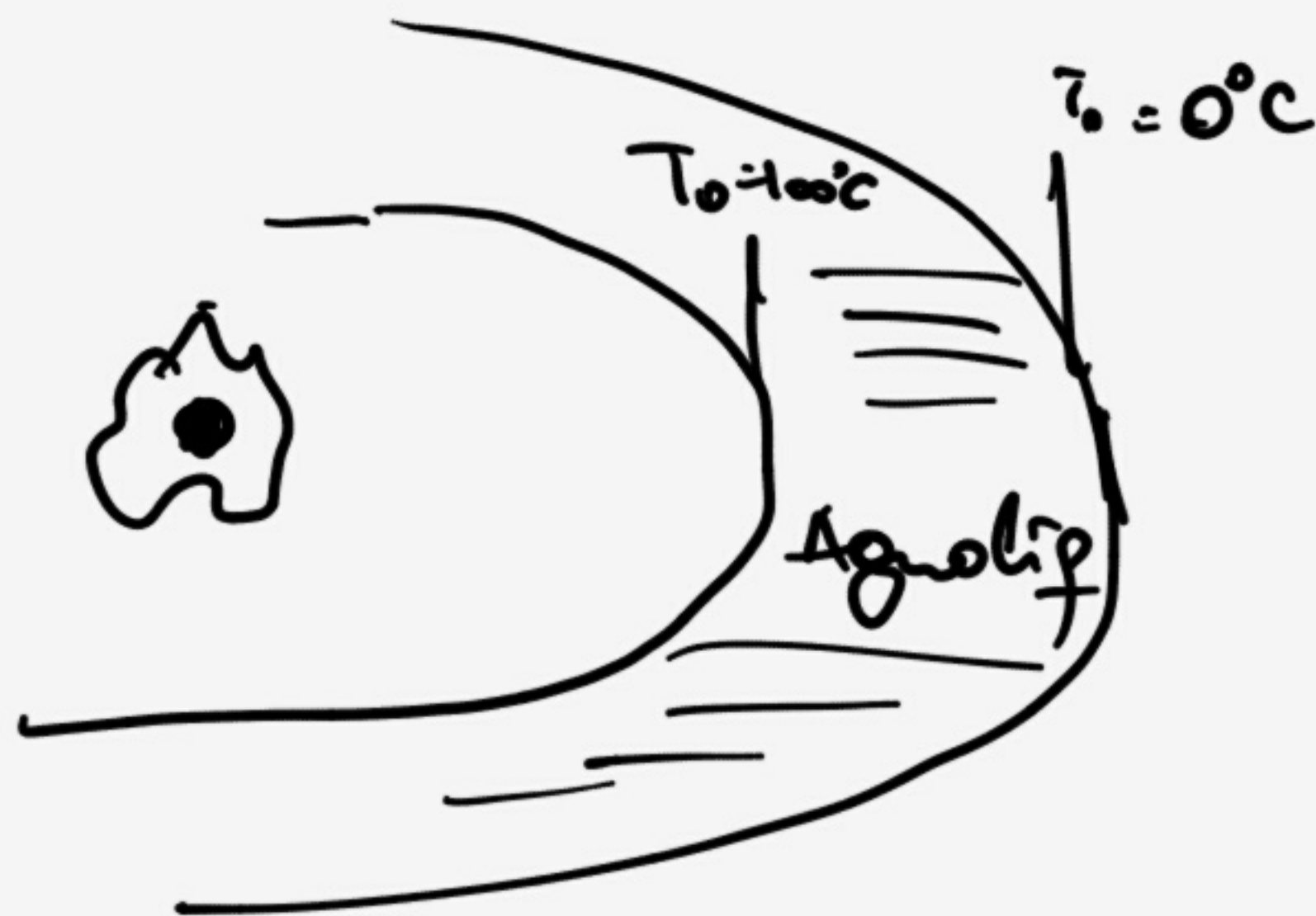
Liquid polar.

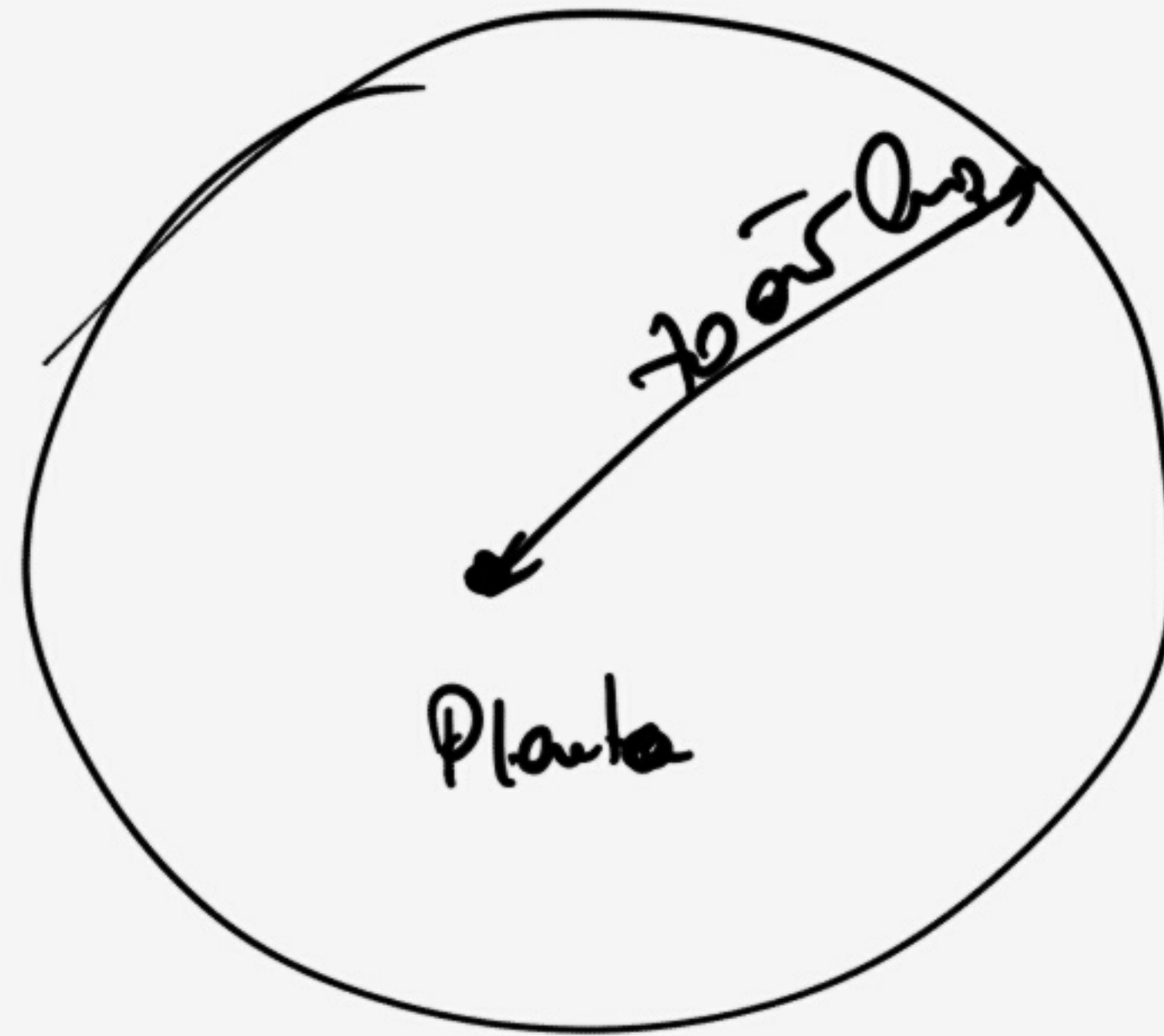




Carbono \leftrightarrow Agua.
 Silicio \leftrightarrow Amonio.

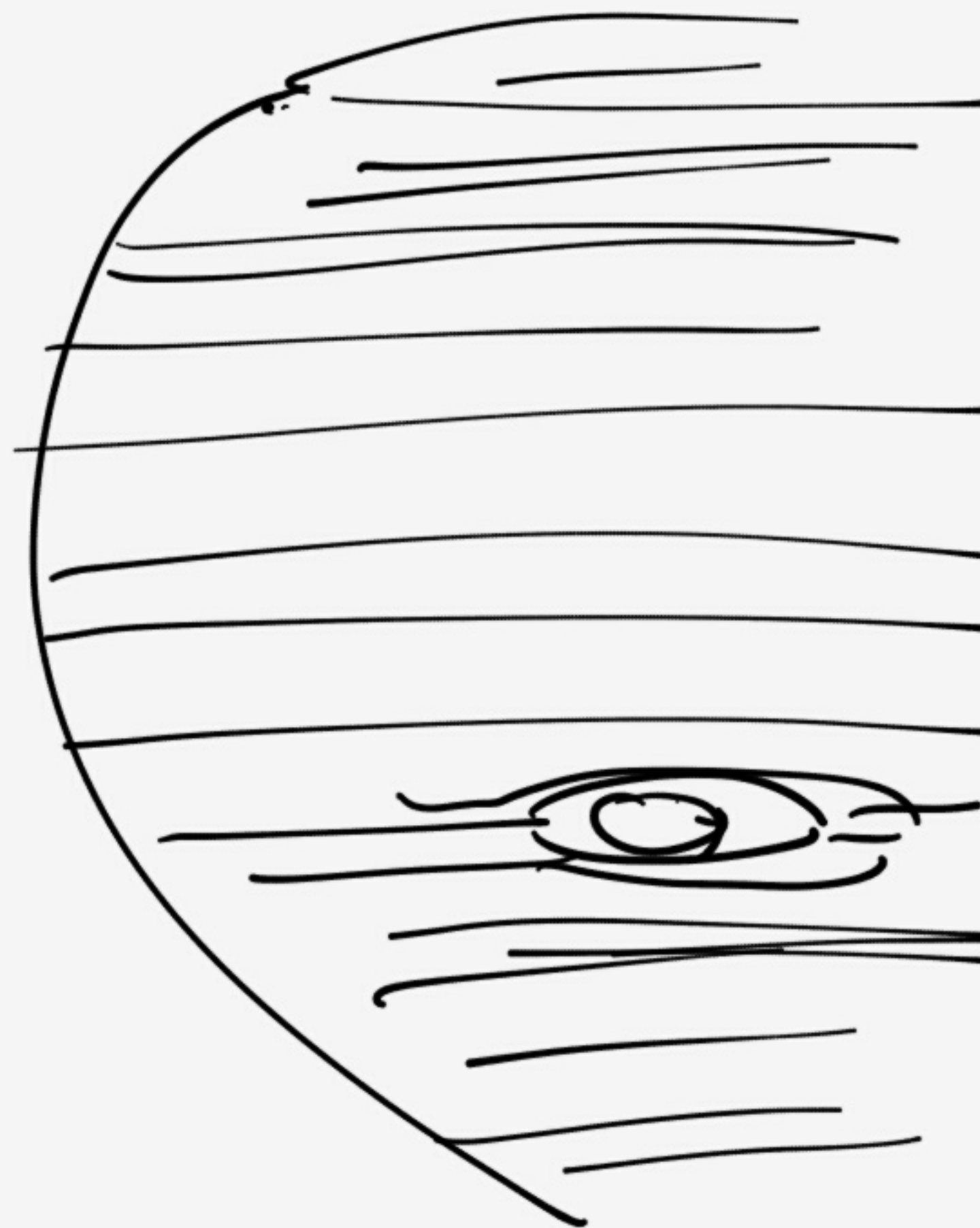
Zona de habitabilidad





Europa
| → microorganisms

$$F = \frac{m M G}{r^2}$$





Penumbra.



Umbra

