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ABSTRACT

Produced for primary grades, this booklet provides study of the oxygen-carbon dioxide cycle in nature. Line drawings, a minimum amount of narrative, and a glossary of terms make up its content. The booklet is designed to be used as reading material, a coloring book, or for dramatic arts with students acting out parts of the cycle. This work was prepared under an ESEA Title III contract.
(BL)

The Oxygen Cycle

ED 079048

U.S. DEPARTMENT OF HEALTH
EDUCATION & WELFARE
NATIONAL INSTITUTE OF
EDUCATION



Hello! We would like
to be your friends.

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Director - Gary D. Swant
David C. Pugsley

Written by Gary D. Swant
Printing: Kristi Cook

Beet Lodge, Montana
ESEA Title III funding 1972

Dear Teacher,

The following booklet is on the oxygen-carbon dioxide cycle. This is one of the main cycles that exists in nature. This booklet is designed so that you can use it as reading material, a color book, or you can have your students act out the cycle.

Also provided on the last page, is a blank space so that the students can trace the trip on their own.

Others available in this series are:

Johnny Raindrop

Oxygen Twins

ABC's of Water

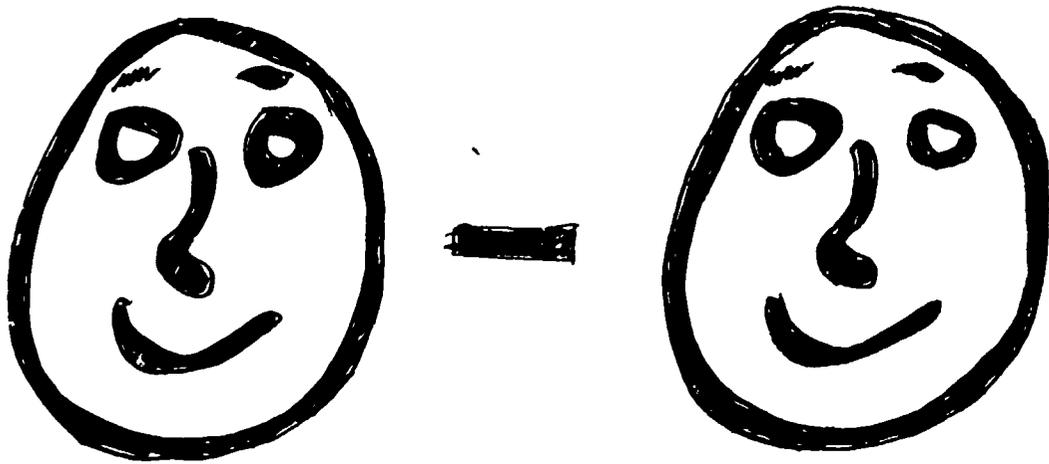
Ecky says, "Brush up on your Ecology."

The Rock Cycle

Coco Nut Meets the Gadget Maker

Clyde, Johnny, and The Oxygen Twins Want to Talk To You

Hi!



Our Names are

Oxygen. We are

Twins.

Because we are Twins



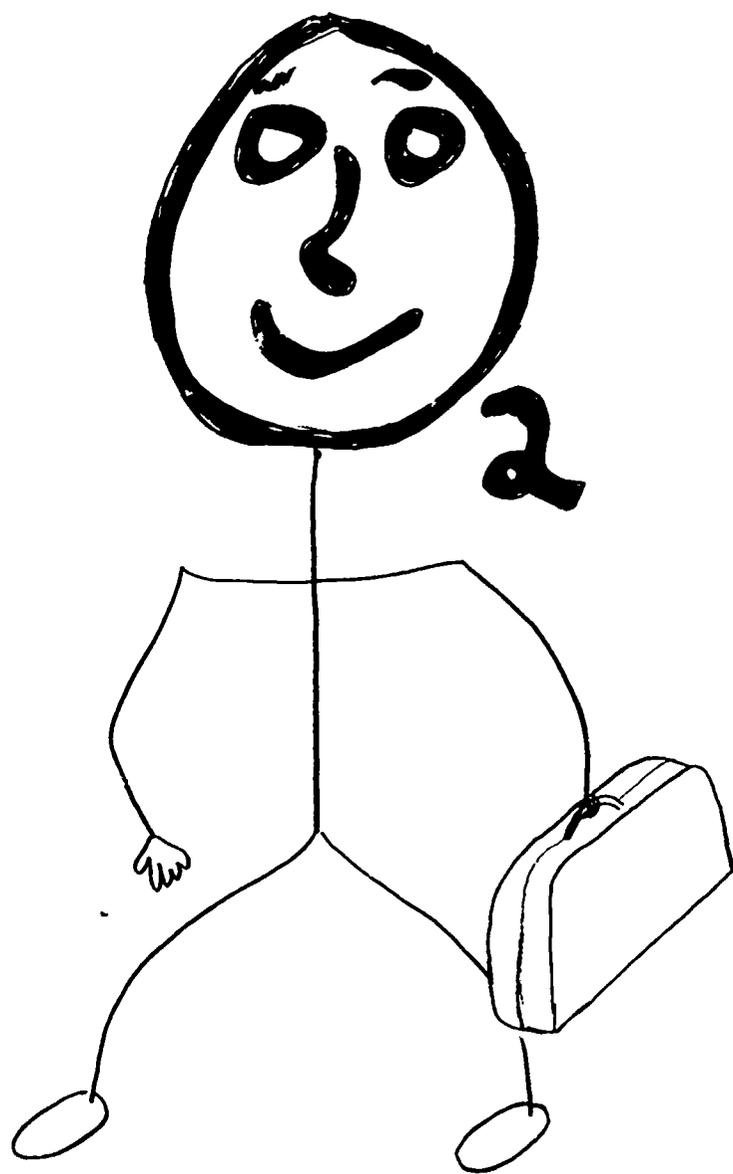
you will usually see us

like This. Do you see the 2?

That's because there are Two



of us.



We are going on a trip and we
would like you to come along.

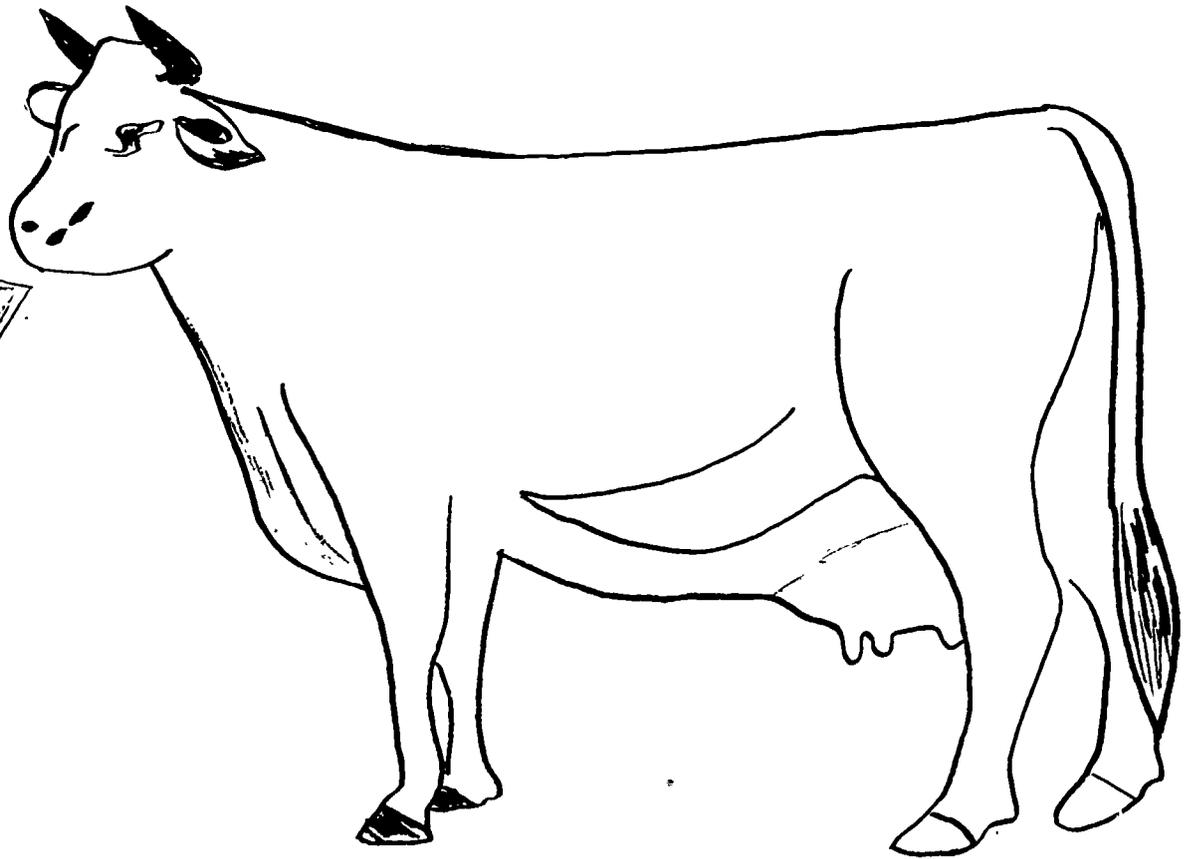
Would you like that? We take
This Trip everyday, It's Fun!



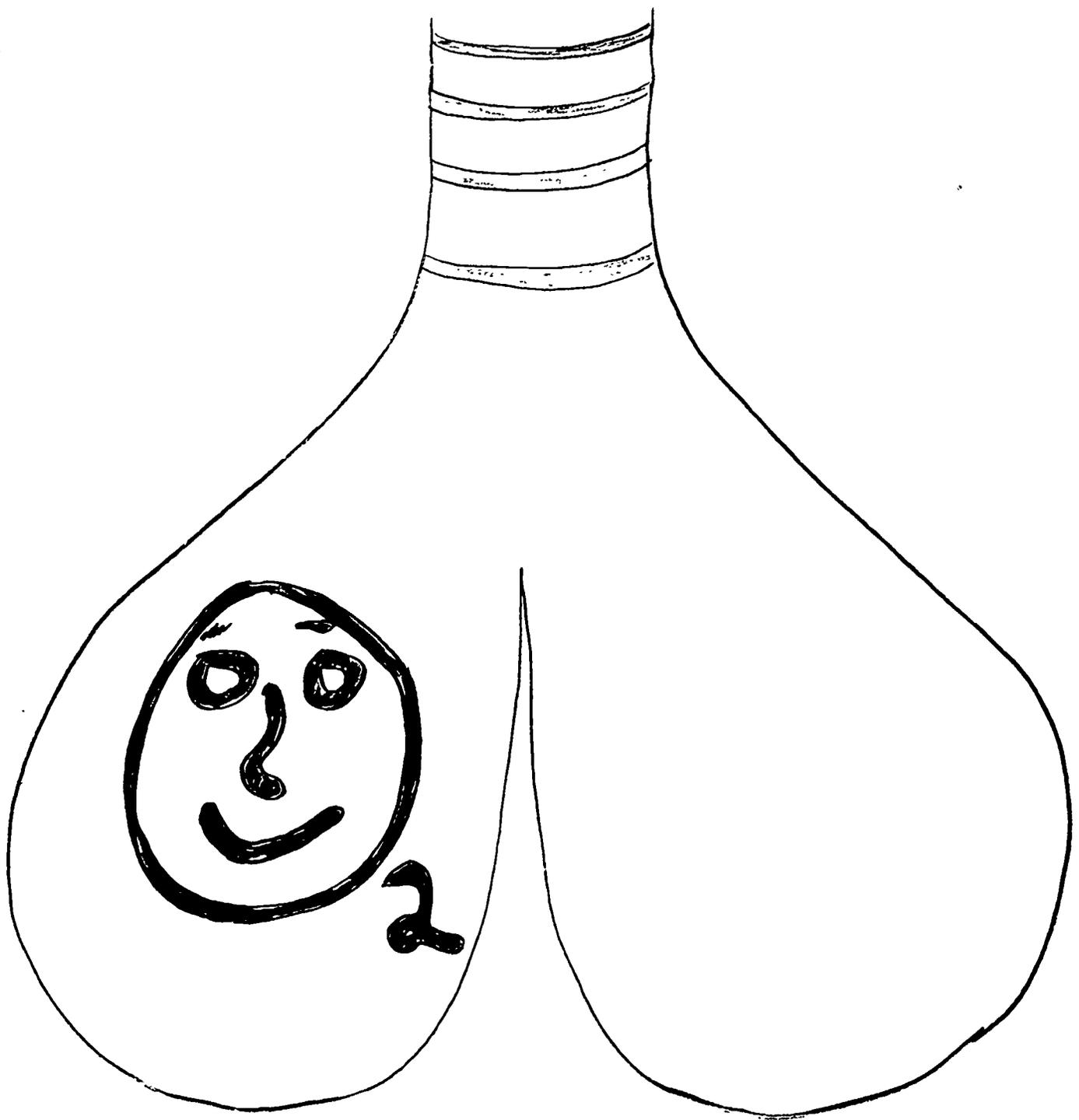
Because we are a gas we can
float all over the world
Sometimes we go strange places.



u'oo,oo



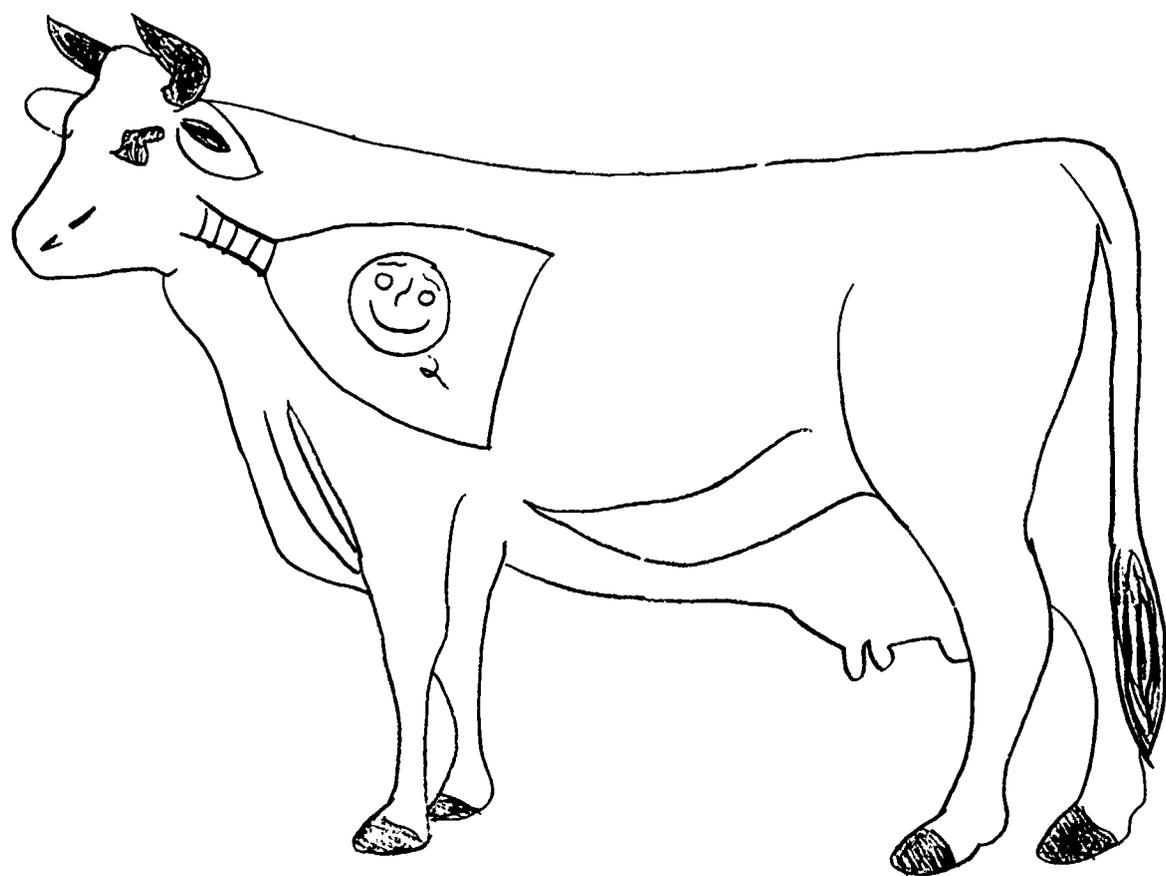
Here we go into
that cow.



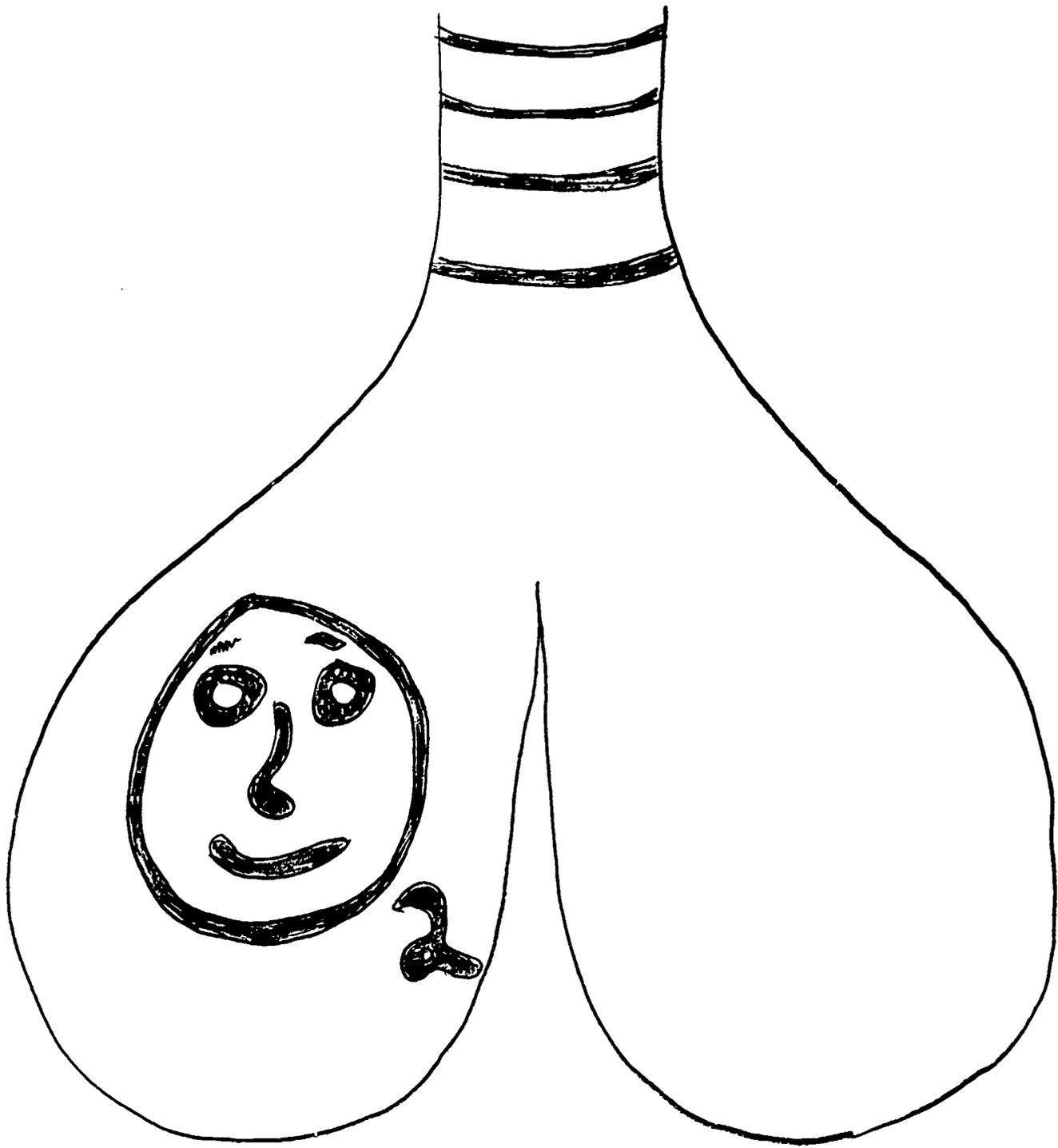
Isn't this fun? I bet you never thought you would end-up inside of a cow's lung, did you?

Why do you think we are in her lungs? Actually we are keeping the cow alive.

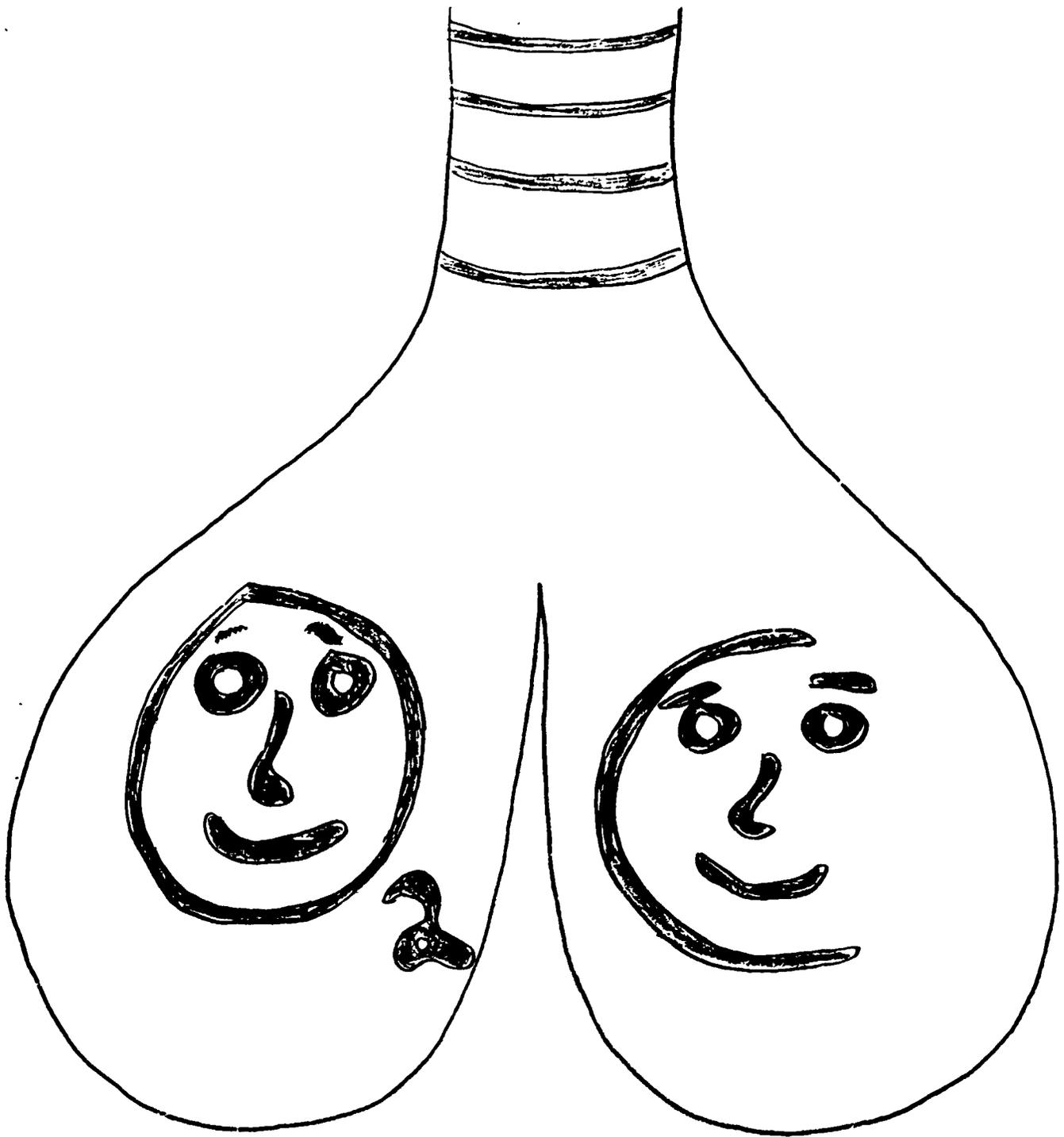
She needs to breathe.



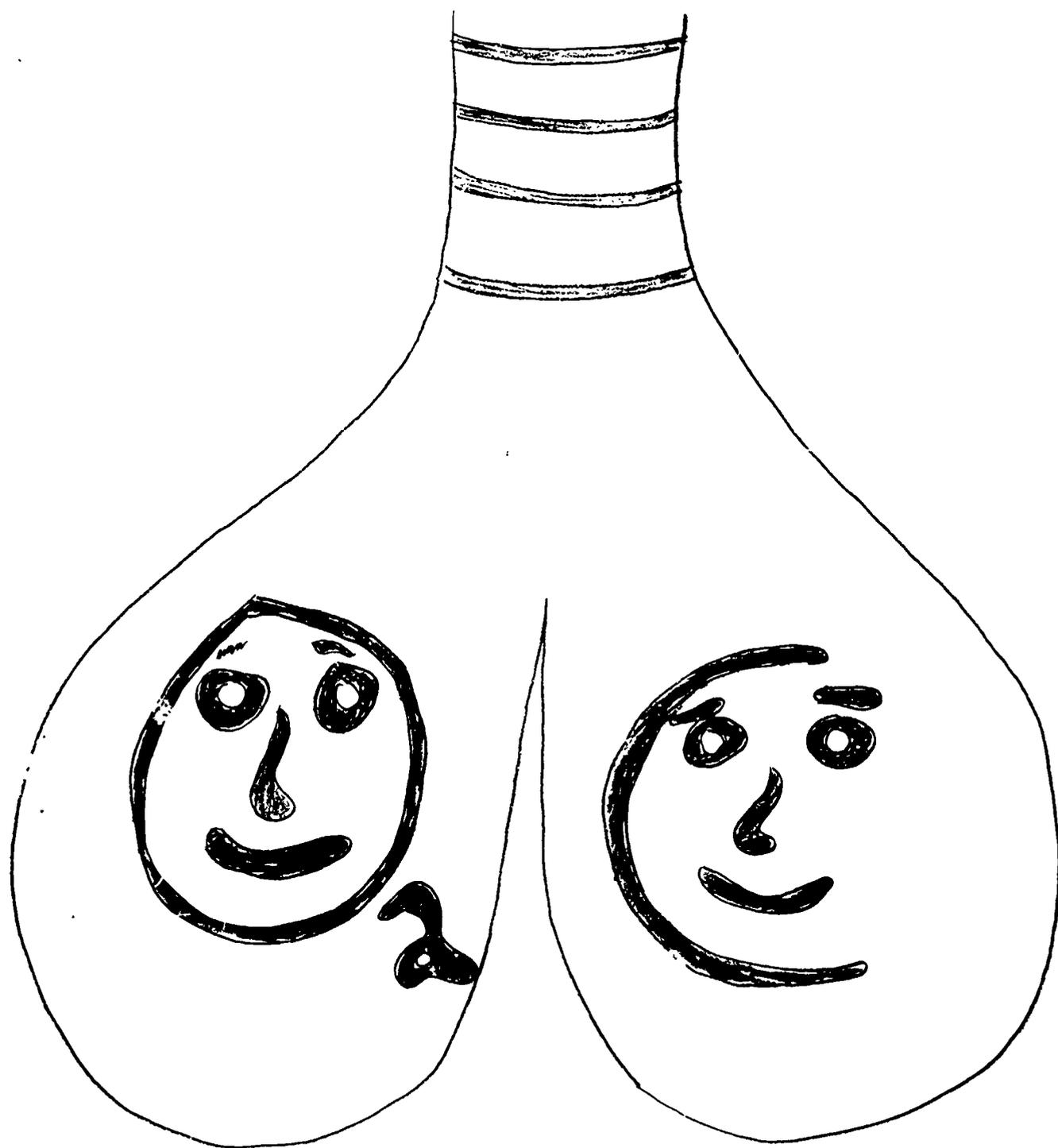
Maybe next time we will be in your lungs. Maybe we already are there.



We are here to pick up a friend of ours that the cow doesn't need anymore. His name is Carbon, here he comes now!



Hi Carbon!
How are you?

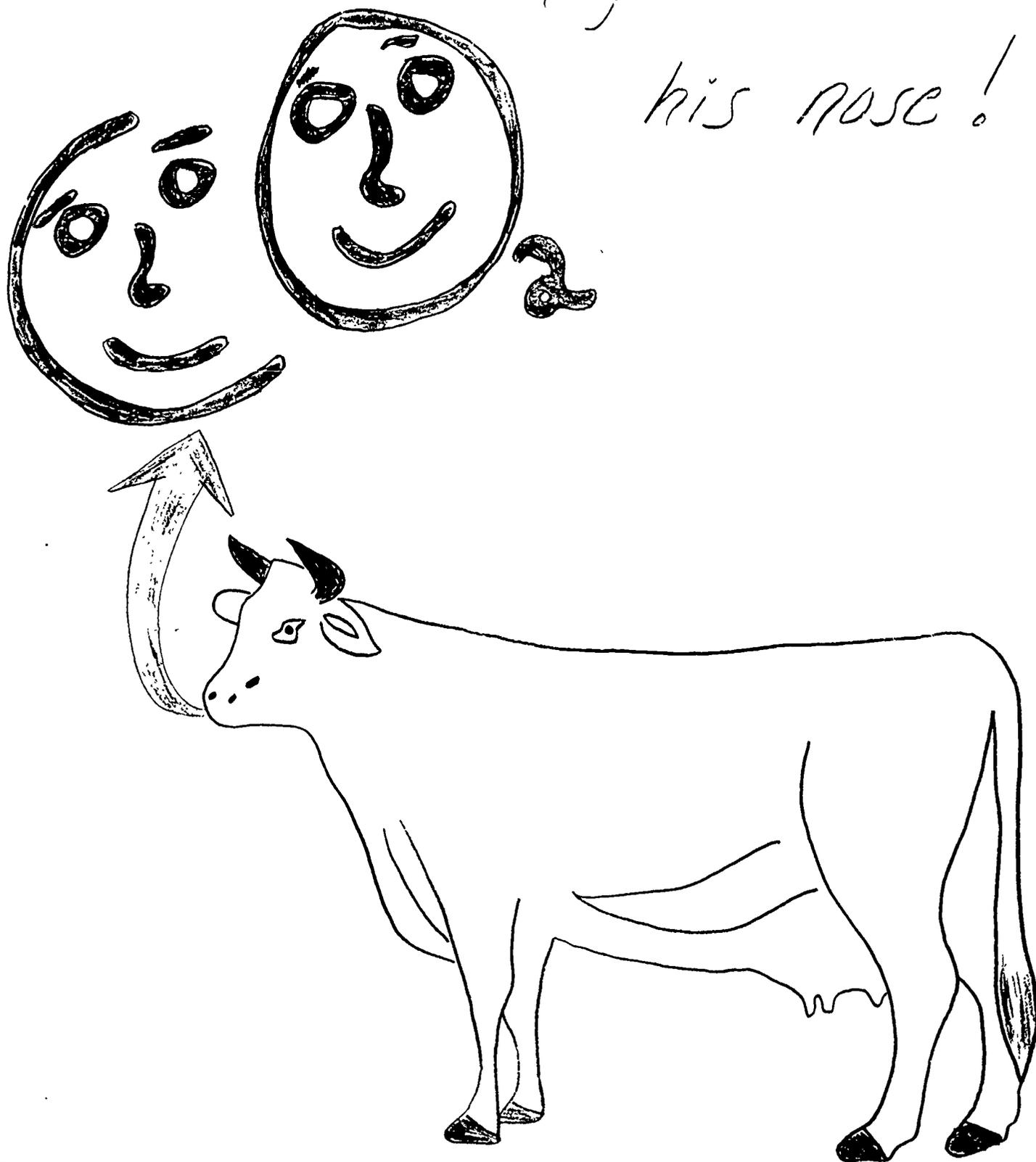


"I'm fine," said Mr. Carbon.
"The cow is through with me; are
you ready to go?"

Here we go

Right - out

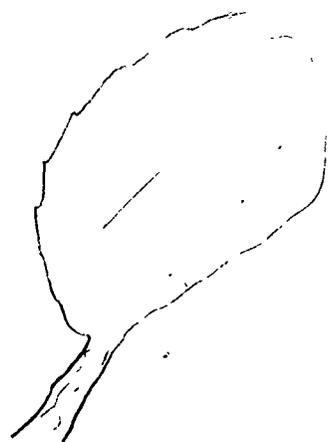
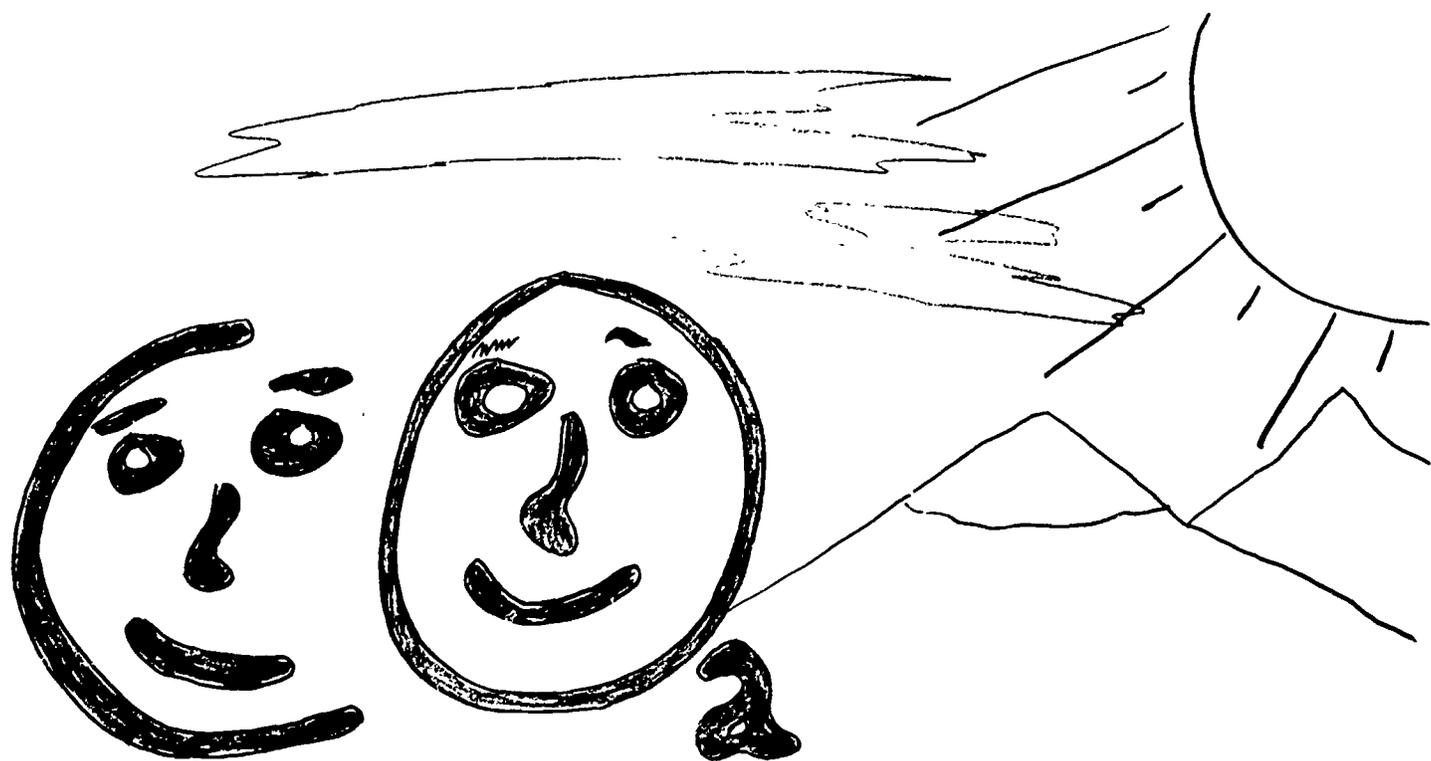
his nose!





Hey wait a minute!

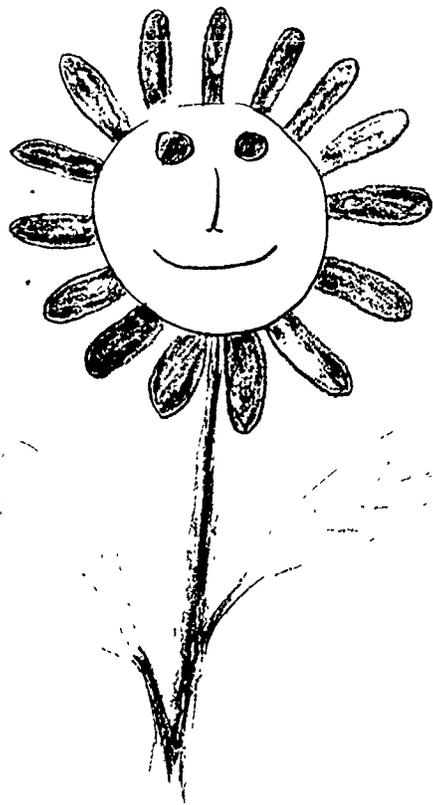
We're not the same, we're
hooked together. We're now
a gas called Carbon
Dioxide.

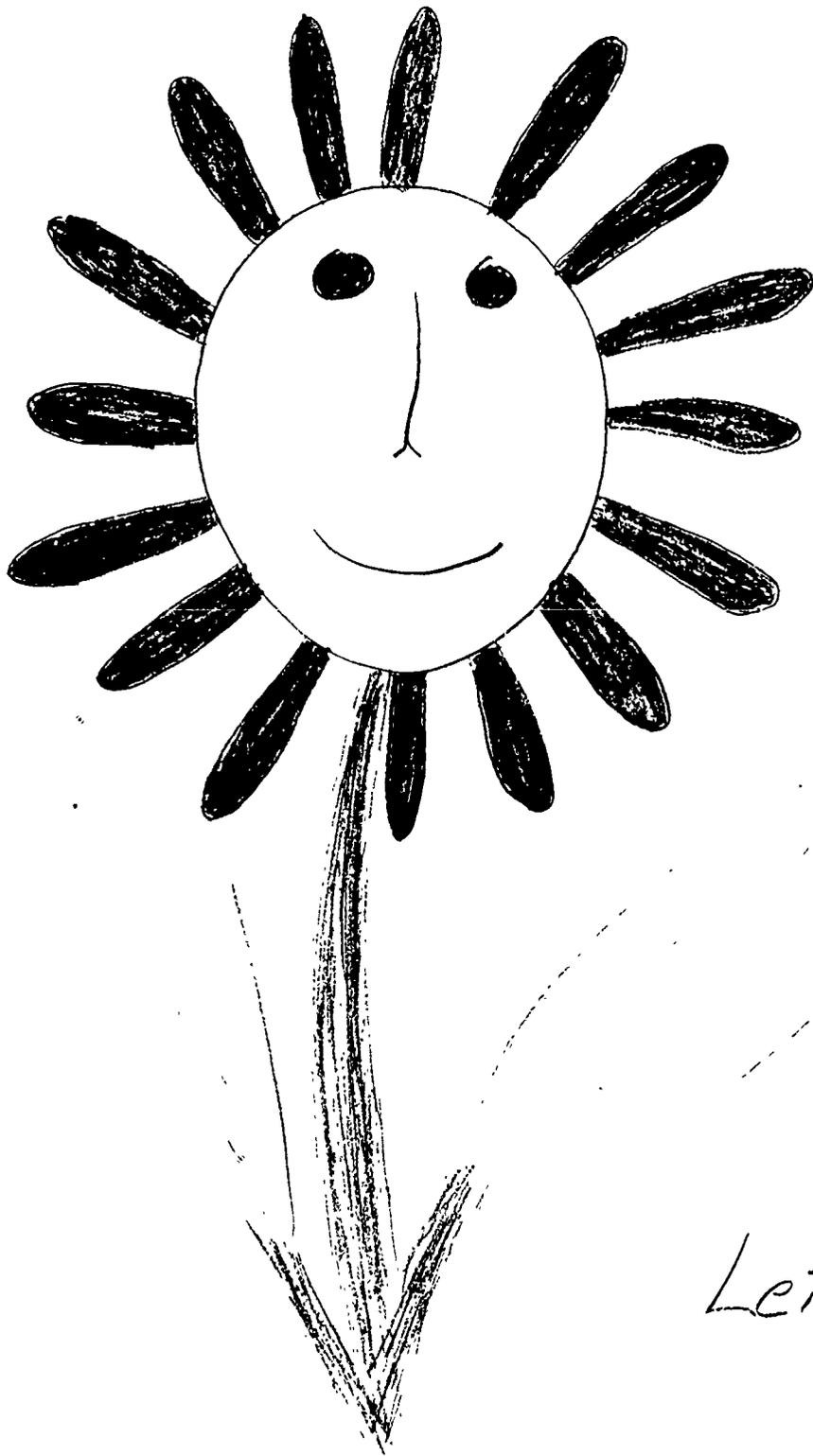


I hope you don't mind that we
have another one with us on
our trip. You don't? Good!
Well let's float along.



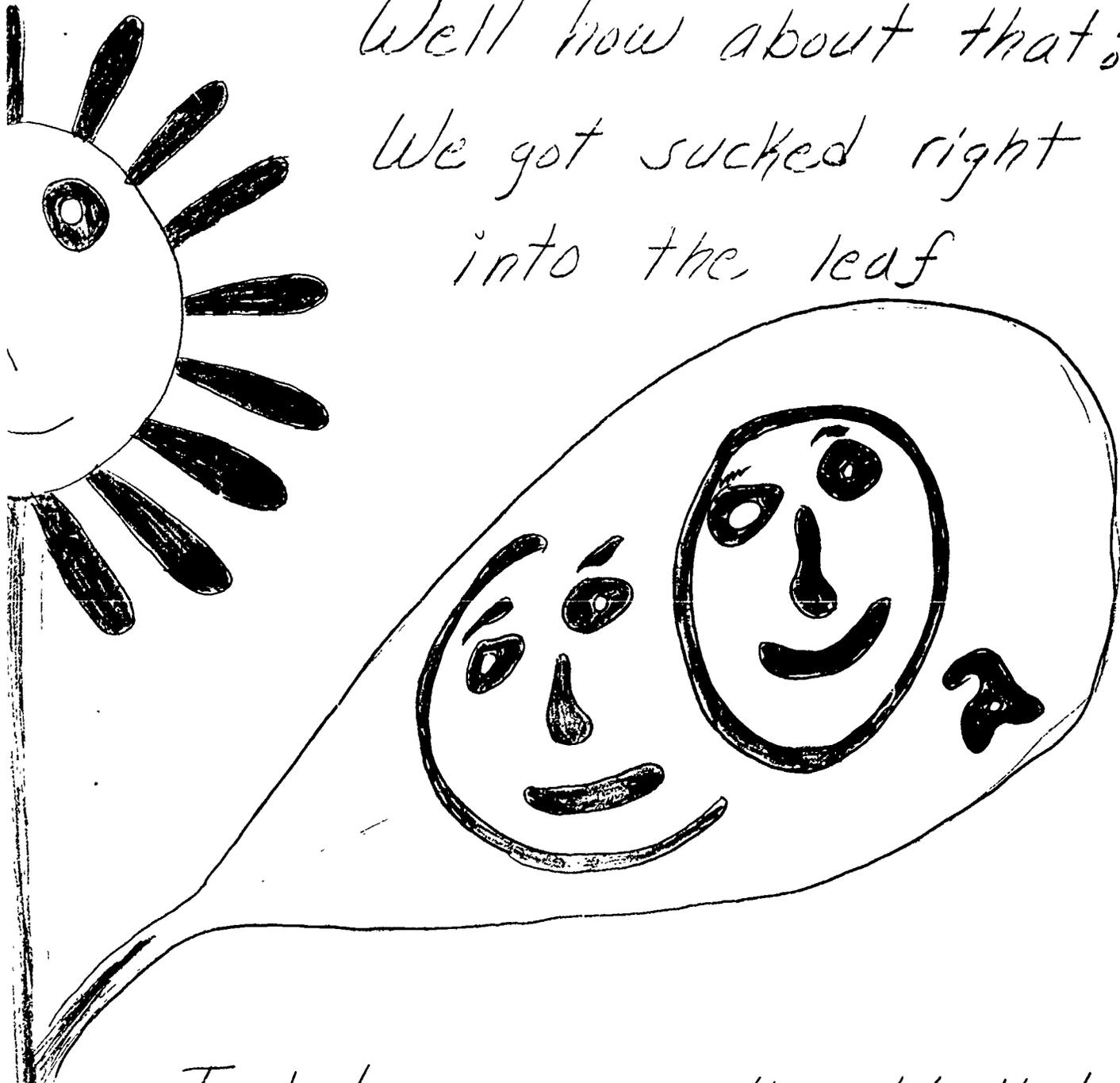
Gee, that sure is
a pretty plant
down there.



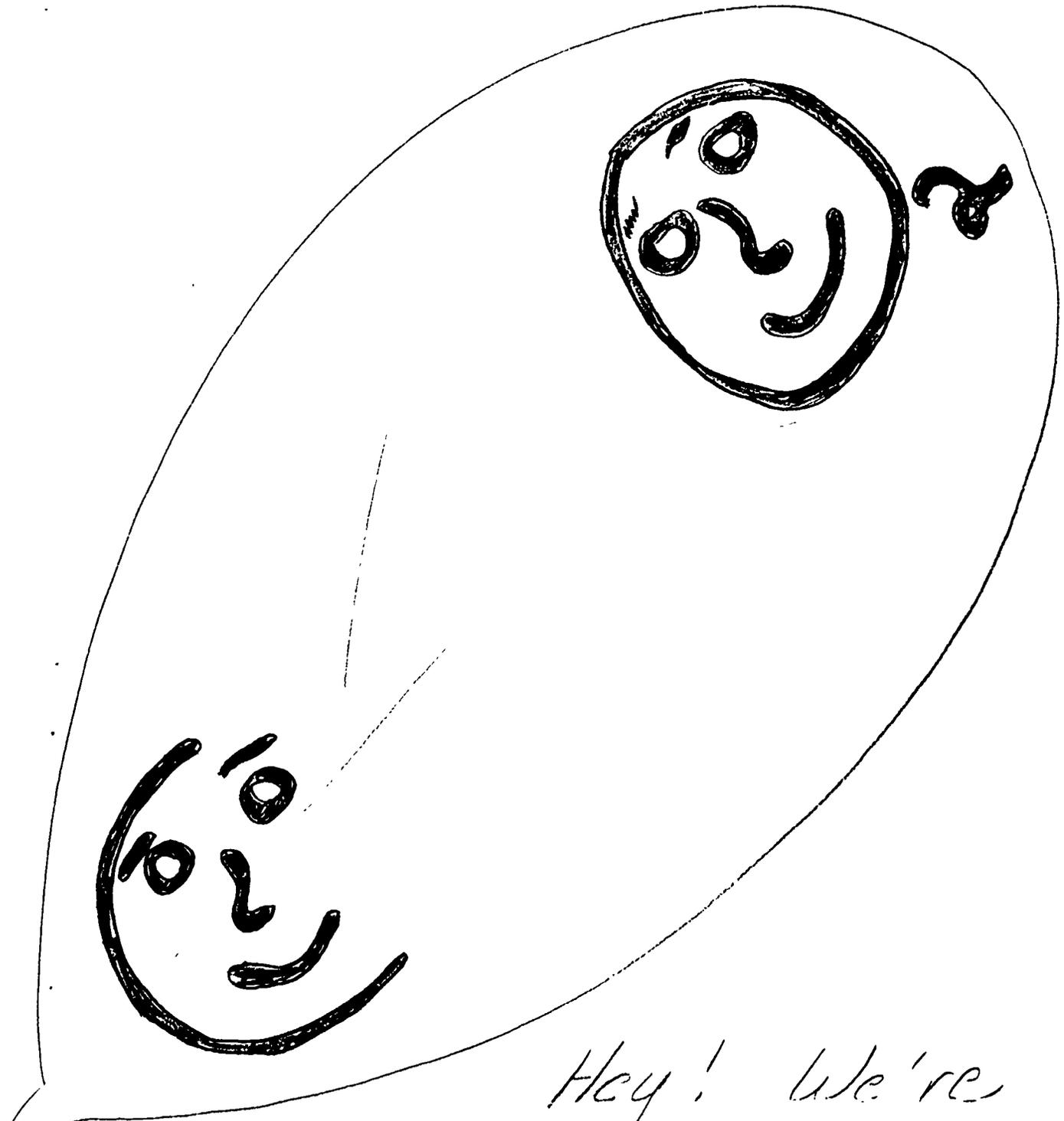


Let's take a
closer look.

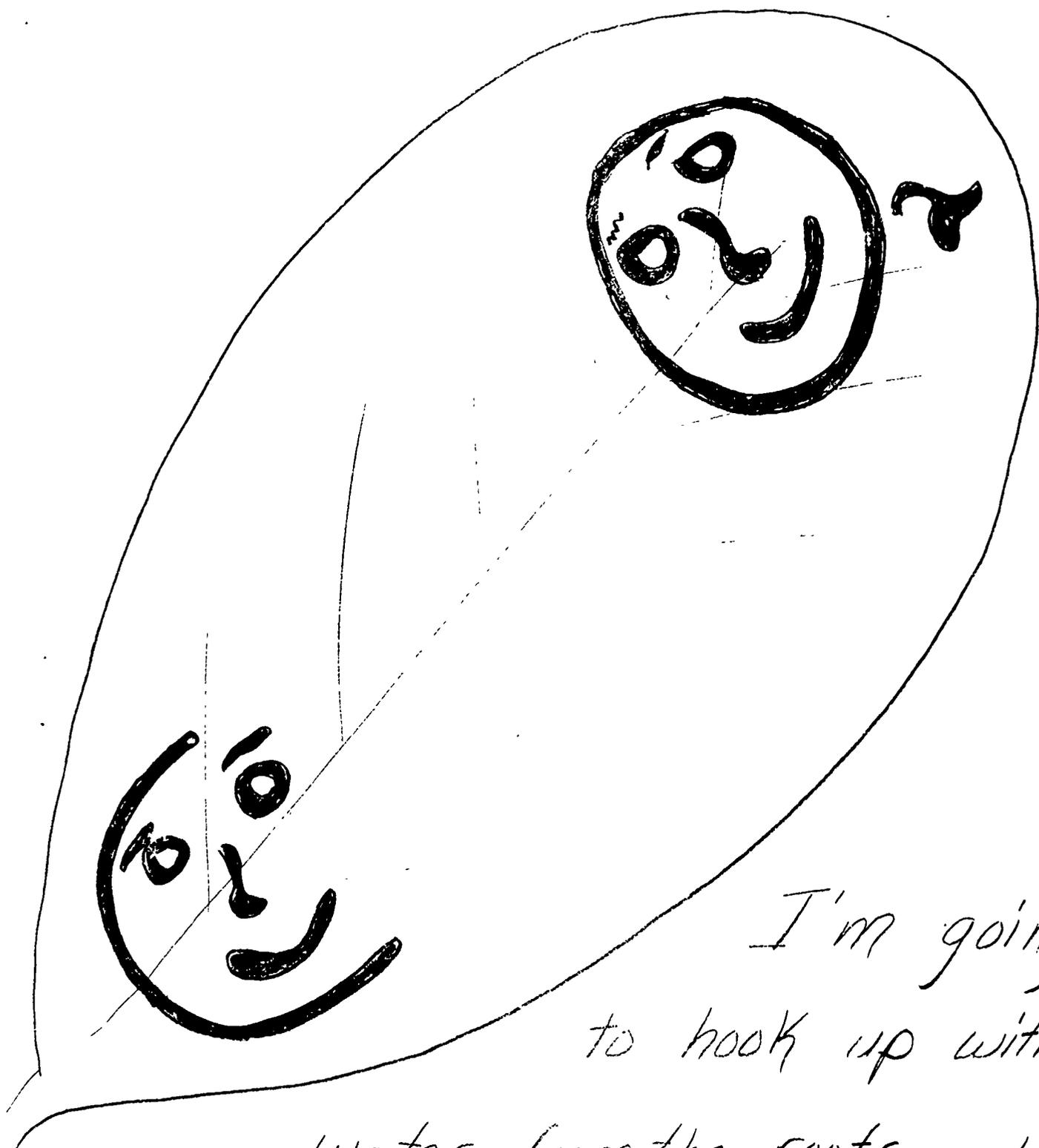
Well how about that!
We got sucked right
into the leaf



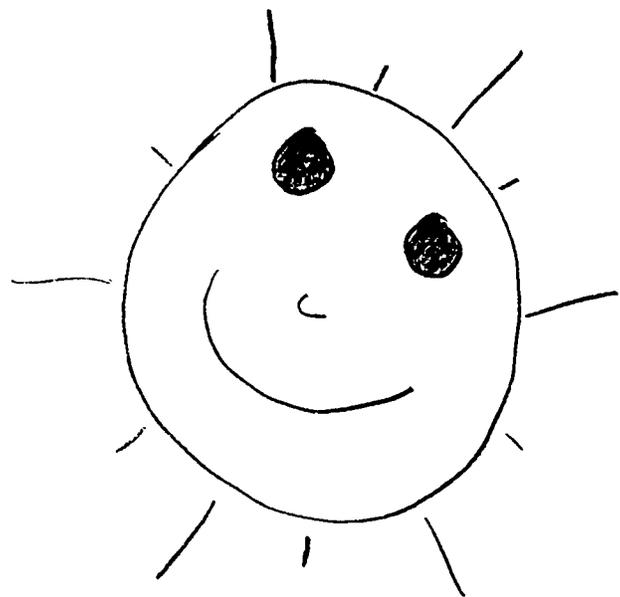
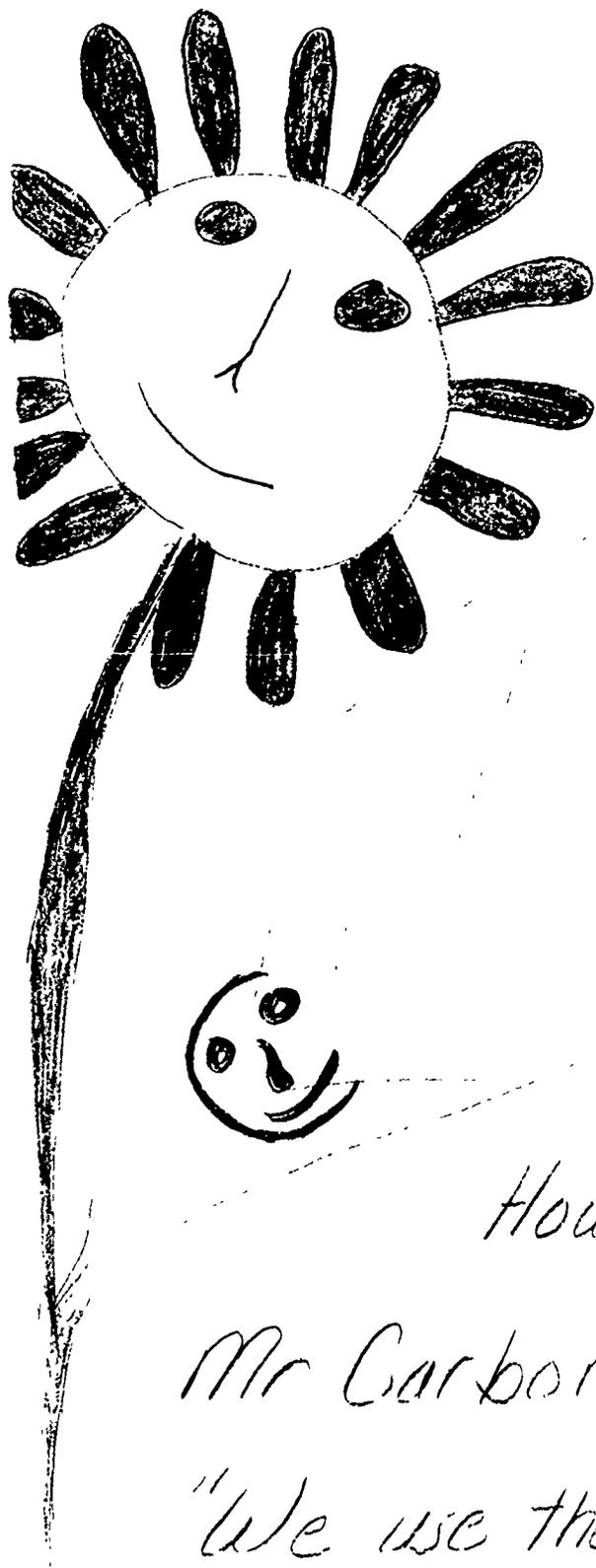
I bet you never thought that
would happen!



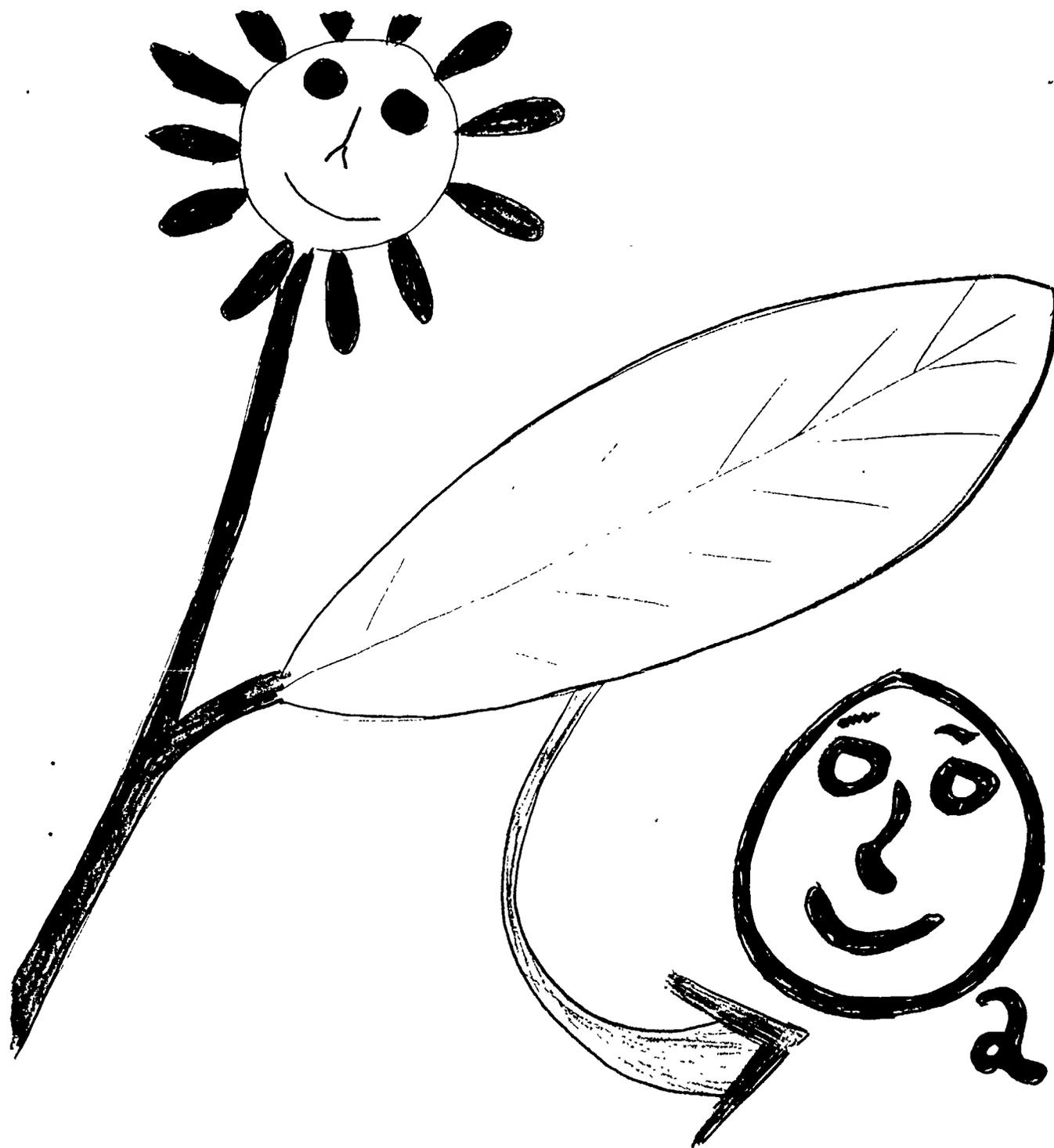
Hey! We're
apart again. Where are you
going Carbon?



I'm going
to hook up with
water from the roots and
make sugar.



How do you do that,
Mr Carbon?
"We use the energy of the sun
to hook us together," he said.



Well, what do you know, after
Mr. Carbon left we got pushed
out into the air again.

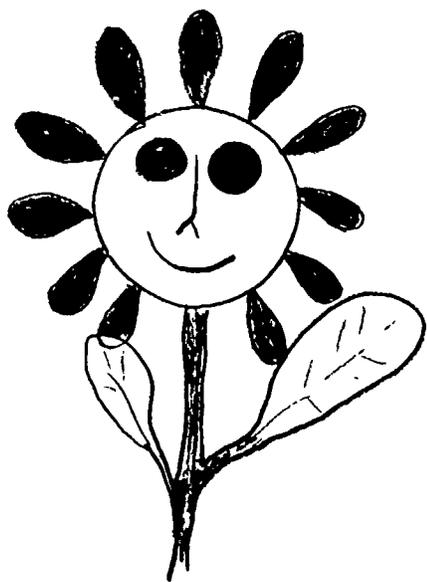
20.

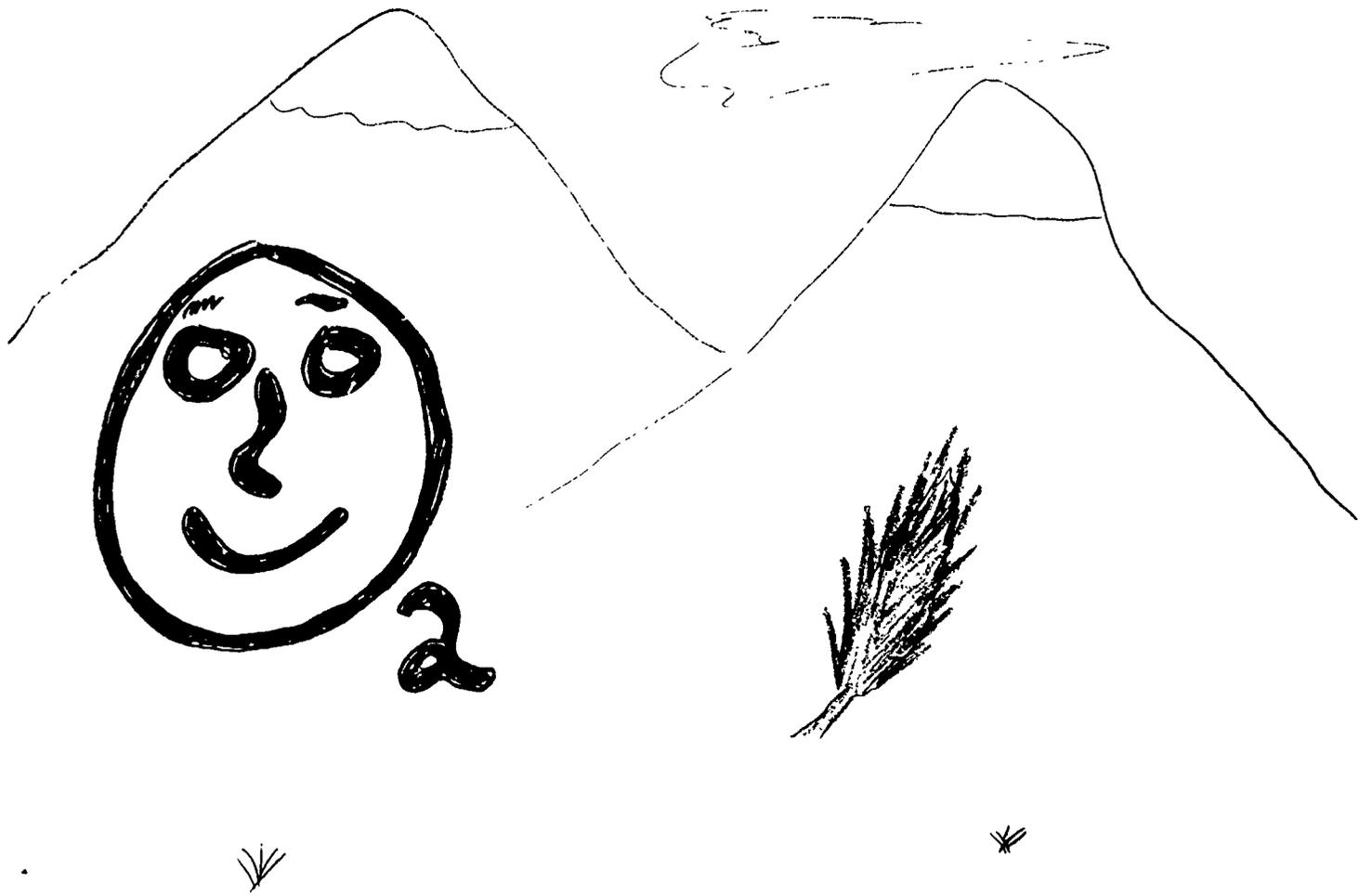


See you Mr. Carbon!

Wasn't that

Mr Carbon, a nice guy?



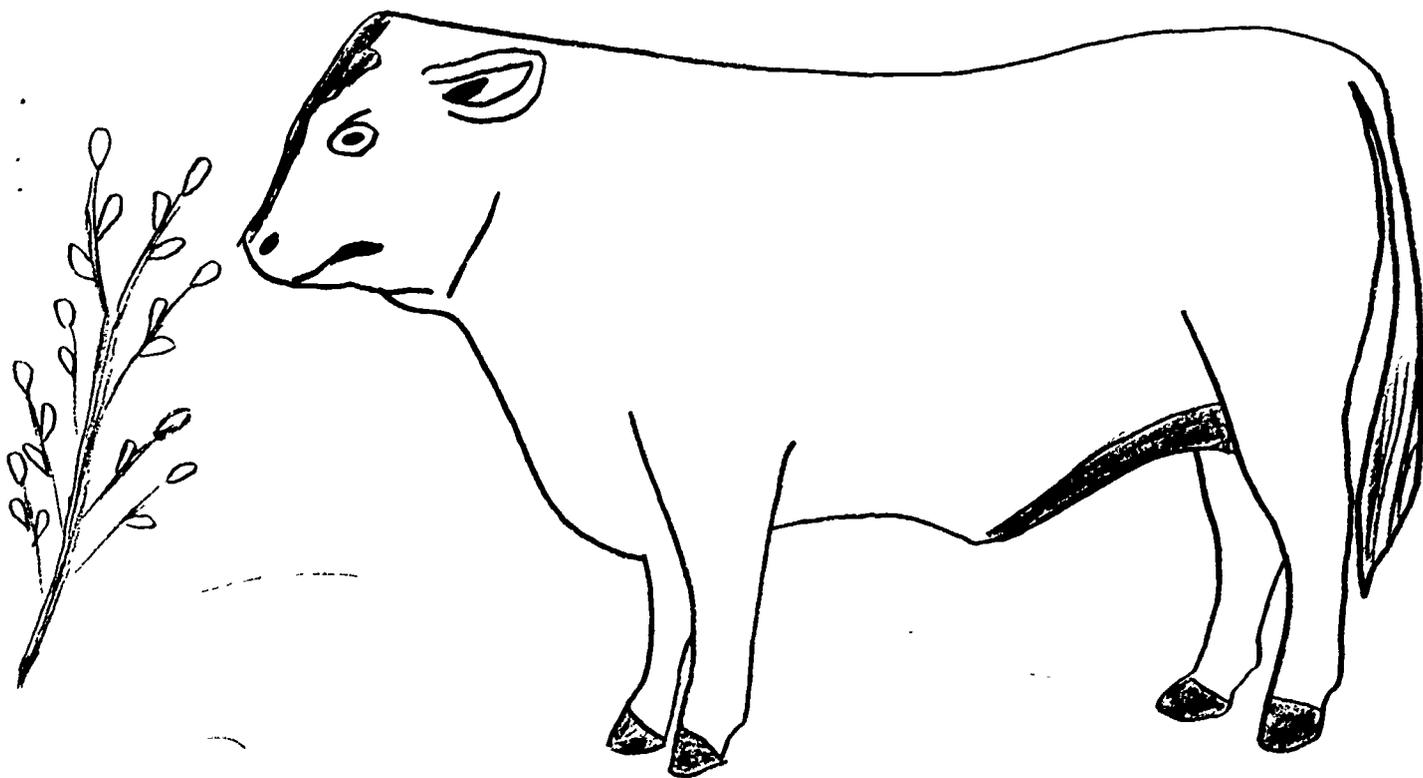


Here we go!

I wonder how Mr. Carbon
got into the cow in the first
place?

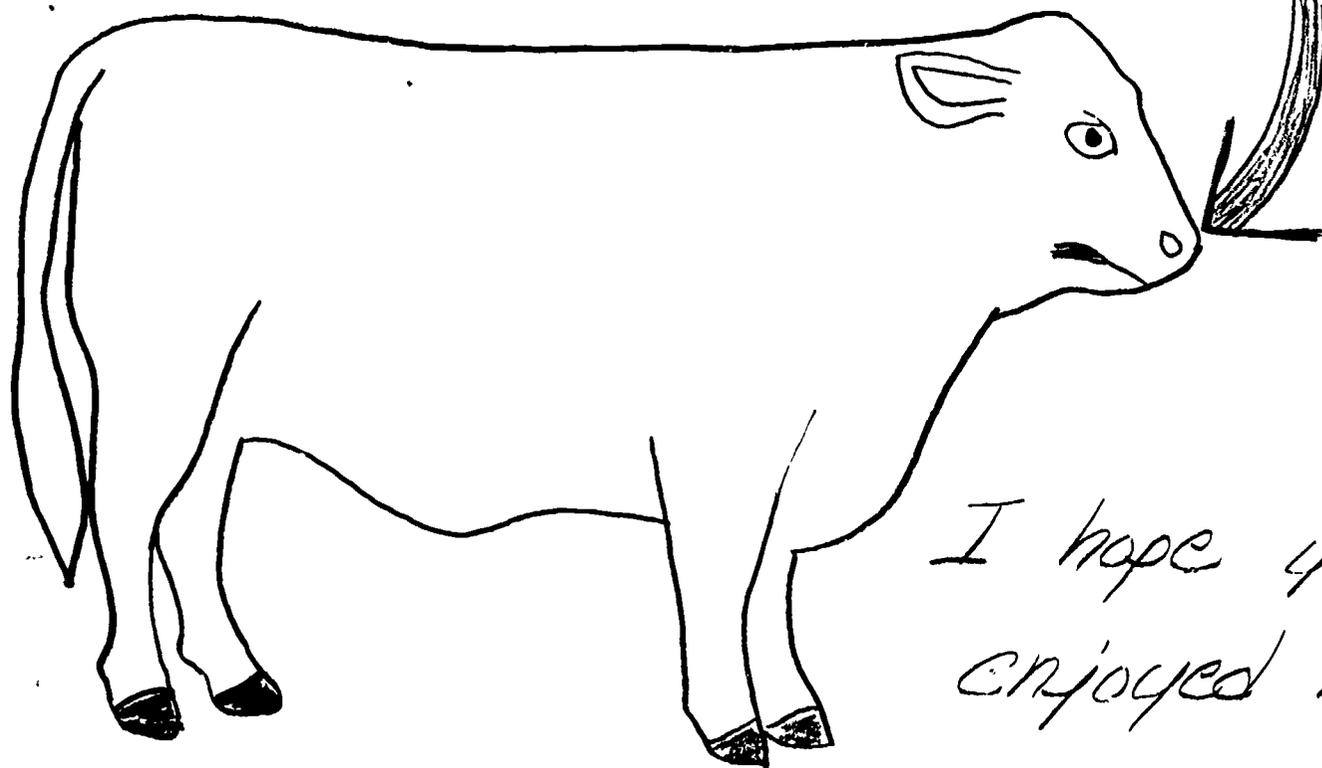


Oh, I see
Mr. Carbon, as a part
of sugar in plants
was eaten by the
cow for food.



Looks like we're going back
into that cow. You might
as well get off here.

Since you have been
there, It sure was
nice having you with us.



I hope you
enjoyed it.

DO YOU THINK THAT YOU CAN FOLLOW THE TRIP THAT THE OXYGEN TWINS TOOK ON THIS PAPER?



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•
•

Glossary:

AIR- This is the gasses that make up the winds, and what we breath.

BREATHING - The act of taking in air through your nose or mouth.

CARBON- This is material that is found inside of the body. Burned wood is carbon.

CARBON DIOXIDE- This is a gas that you breath out after brething in oxygen.

ENERGY- This is material that comes from the sun. You can feel it as heat if you stand in the sunlight.

GAS- A gas is a material that floats in the air and has no shape.

LUNGS- You have a set of lungs in you that expand and allow you to take in air. This is called breathing.

OXYGEN- This is one of the gasses in air that you need to stay alive.

PLANTS- They are living things that take the energy of the sun and make food from it.

ROOTS- They are found on the bottom of a plant and take in water and help hold the plant in place...

SUGAR- This is food that contains the energy of the sun. We eat it when we eat foods of all kinds.