






Royal
Veterinary
College
University of London

BILHARZIA

Schistosomiasis



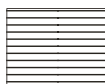
BILHARZIA IS FOUND ALL OVER THE WORLD,
HOWEVER MOST IS IN AFRICA, NEARLY **90%!**
UP TO **200,000 PEOPLE** DIE EACH YEAR
FROM THIS DISEASE.

The    marks show where Bilharzia is found
around the world.

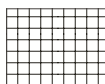
Colour in where the    marks are indicated.



red



orange



yellow



Colour in all the symptoms in red • Colour in all the outcomes in green

When people get sick with intestinal or urogenital Bilharzia they can experience any of the following symptoms:



**ABDOMINAL
PAIN**



**BLOOD IN
STOOL**



COUGH



TIREDDNESS



HEADACHE



FEVER



RASH



BODY ACHES



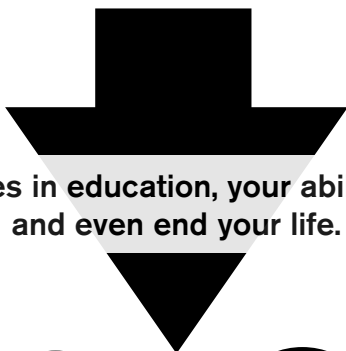
ANAEMIA



**BLOOD IN
URINE**



**PAIN OR
DIFFICULTY
URINATING**



**This leads to issues in education, your ability to make money
and even end your life.**



**REDUCED ABILITY
TO LEARN**



STUNTING



CANCER



INFERTILITY



**INCREASED RISK
OF HIV**



ORGAN DAMAGE

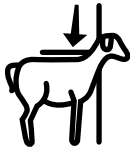


DEATH

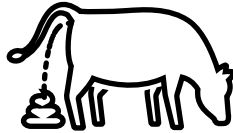
DID YOU KNOW THAT ANIMALS LIKE COWS, GOATS AND SHEEP CAN ALSO GET BILHARZIA?

Colour in the symptoms in red • Colour in the outcomes in green

When they do, they can suffer any of the following:



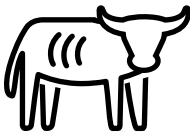
REDUCED GROWTH



DIARRHEA



ANAEMIA



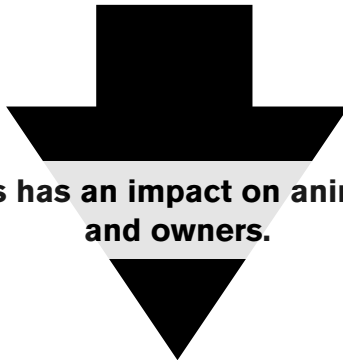
EMACIATION



ENTERITIS



DEATH



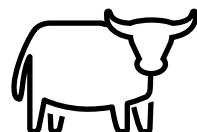
**This has an impact on animals
and owners.**



MILK AND MEAT LOSS

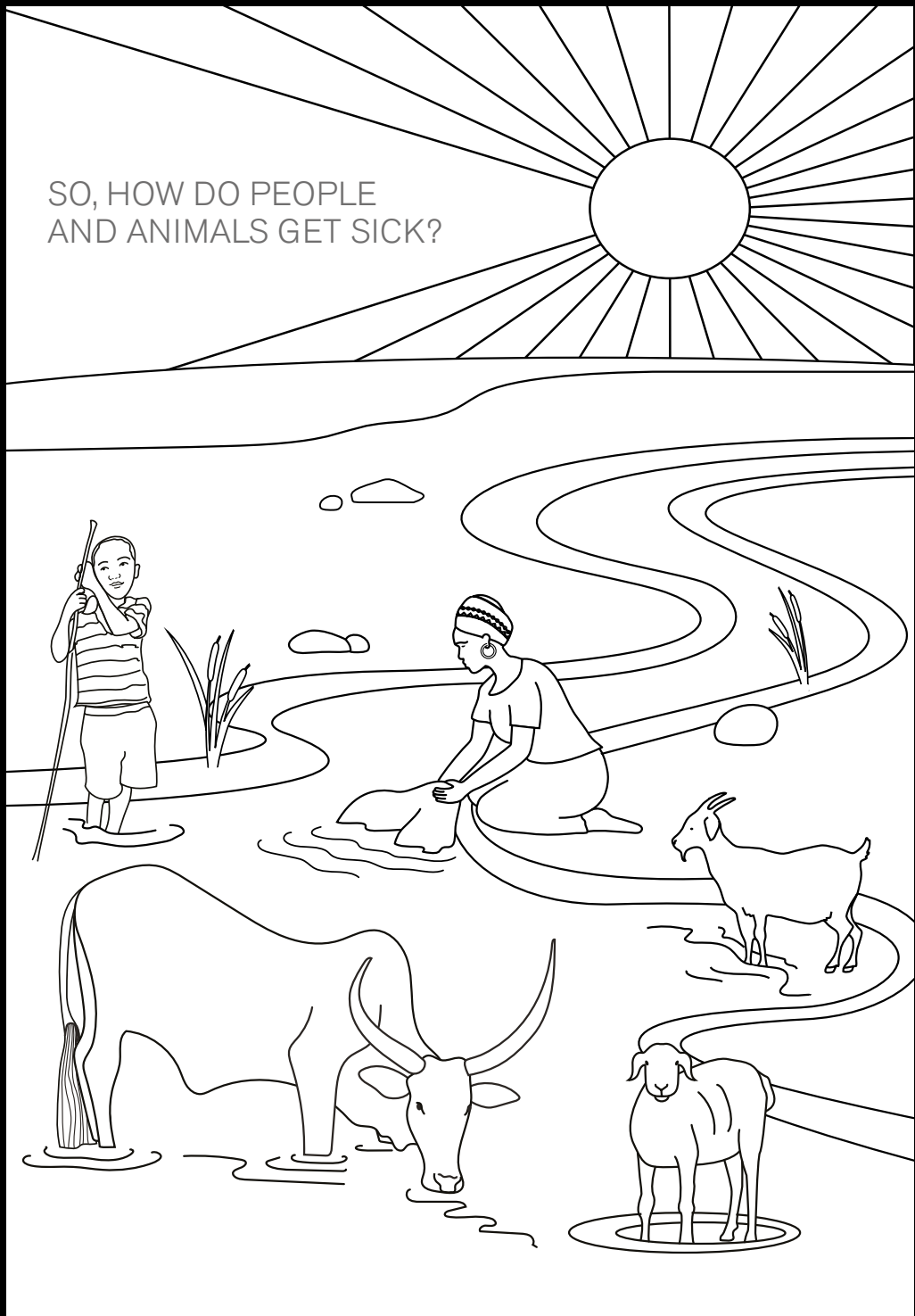


PROFIT LOSS



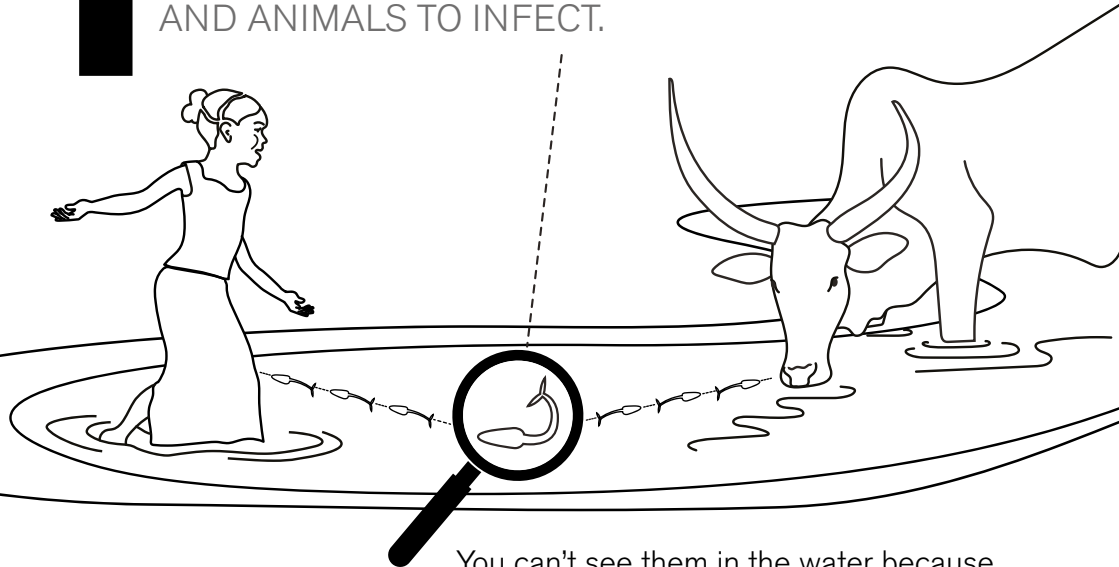
REDUCED HERD

SO, HOW DO PEOPLE
AND ANIMALS GET SICK?

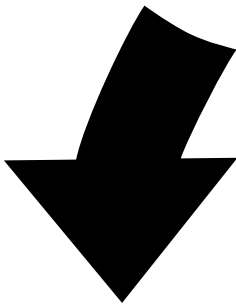


CERCARIA

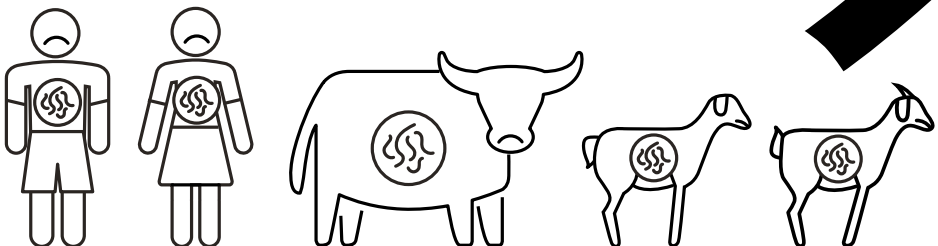
ARE SMALL WORM LIKE PARASITES
IN FRESH WATER. THEY LOOK FOR HUMANS
AND ANIMALS TO INFECT.



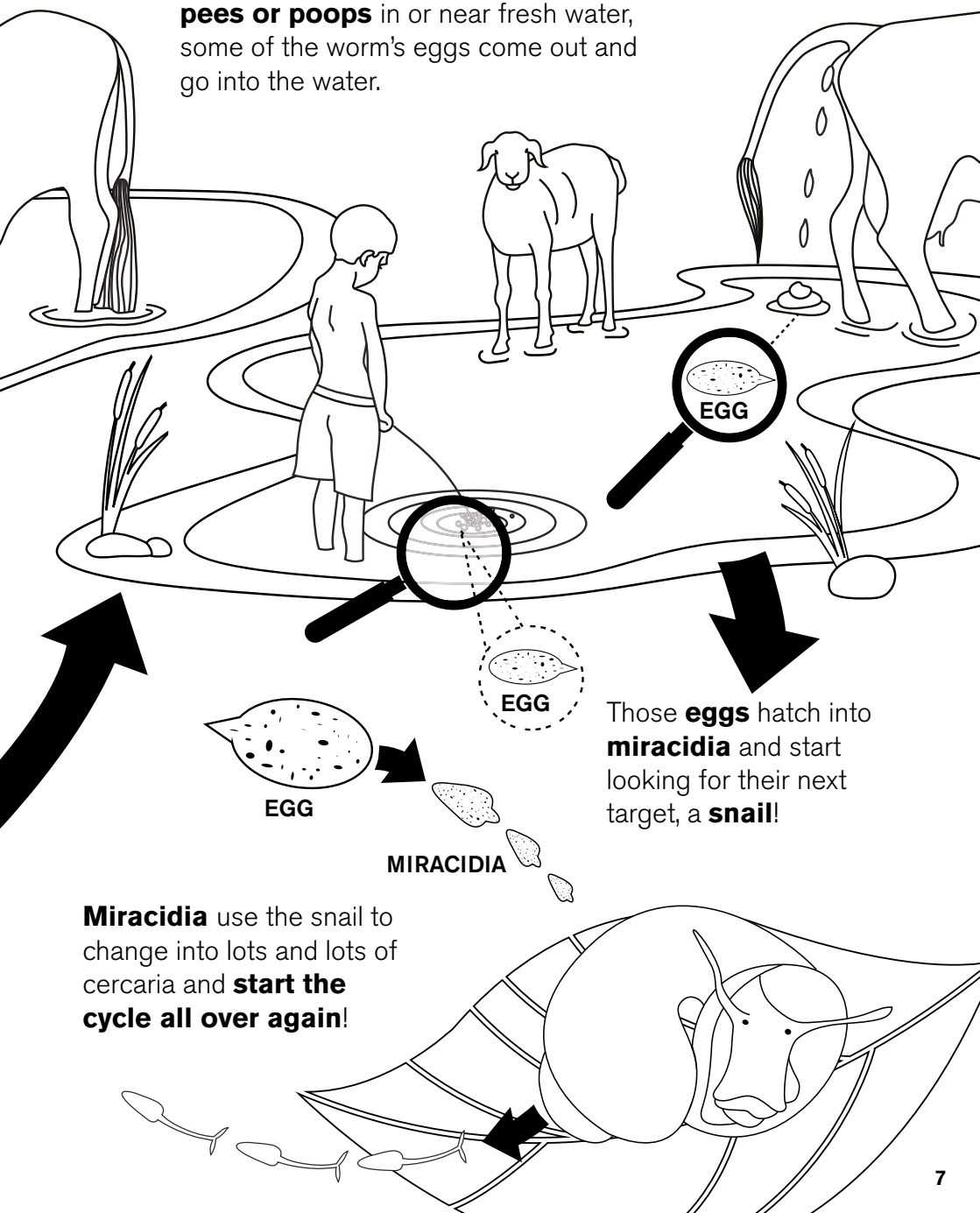
You can't see them in the water because they are tiny! We're using a magnifying glass to help you in the picture.



Once infected, the **cercaria** grow into worms and start laying eggs inside people and animals, **making them sick**.



When a person or animal who is infected pees or poops in or near fresh water, some of the worm's eggs come out and go into the water.



PREVENTION

HOW CAN YOU STOP GETTING SICK OR STOP THE
ANIMALS FROM GETTING SICK?
HERE ARE SOME WAYS!

Avoid the
edges of fresh
water bodies
like rivers, ponds,
lakes, and
shallow
wells.

Give the
animals water
from pumped
water, wells, or
water towers.

Use a trough
for animals
to drink from
rather than just
straight from
the water.

Bring water to
the house and
use it after
24 hours.

Don't pee or
poop in or near
the water

Don't get in the
same water the
animals are in.

**If you can't do these, then you should make sure
to take treatment when it is offered and
ask your local veterinary officer about
treatment for your animals.**

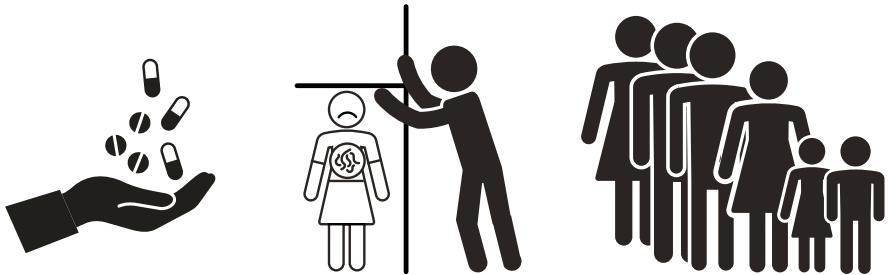
TREATMENT

TREATMENT IS SAFE AND EFFECTIVE, HOWEVER YOU CAN STILL GET RE-INFECTED, SO KEEP TAKING TREATMENT WHEN IT IS OFFERED. THIS WILL HELP YOU AVOID THE BAD EFFECTS WE TALKED ABOUT AT THE BEGINNING OF THIS BOOK.

Remember to eat something before you take treatment!

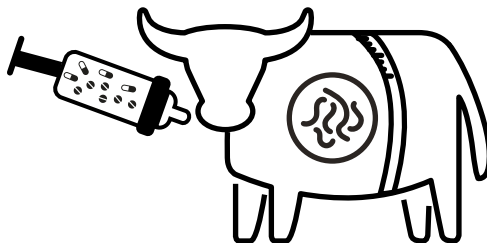
HUMAN TREATMENT:

Ask your local health officer when the next mass drug administration will be.



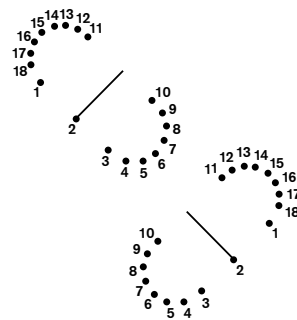
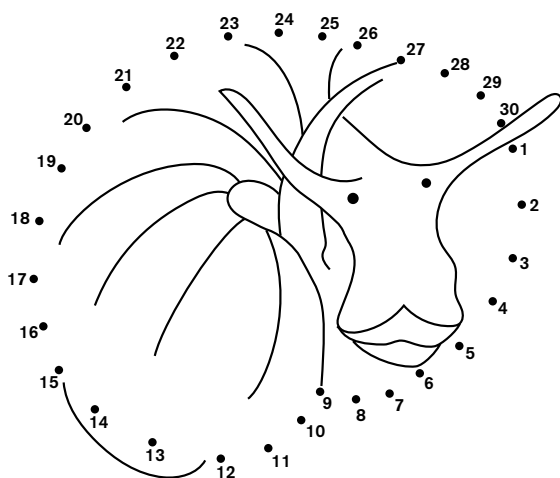
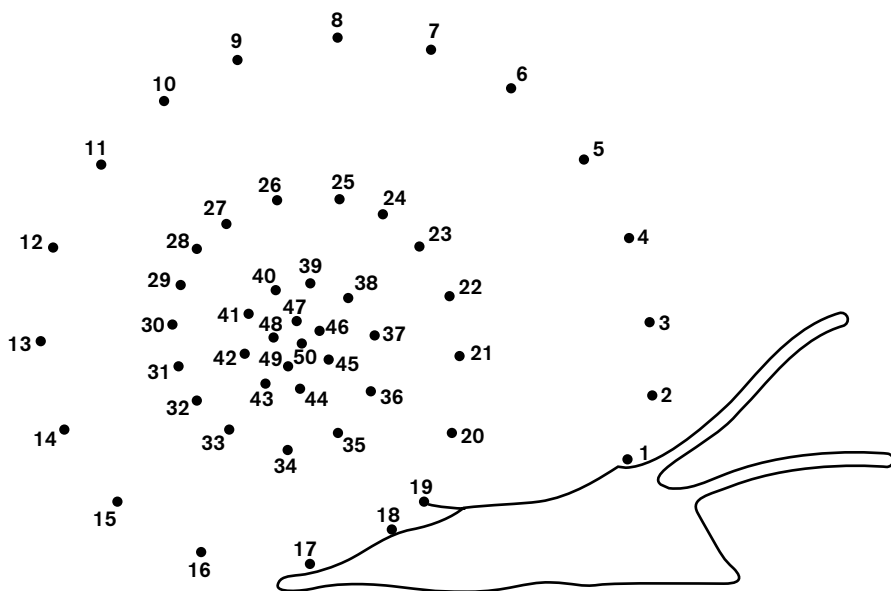
LIVESTOCK TREATMENT:

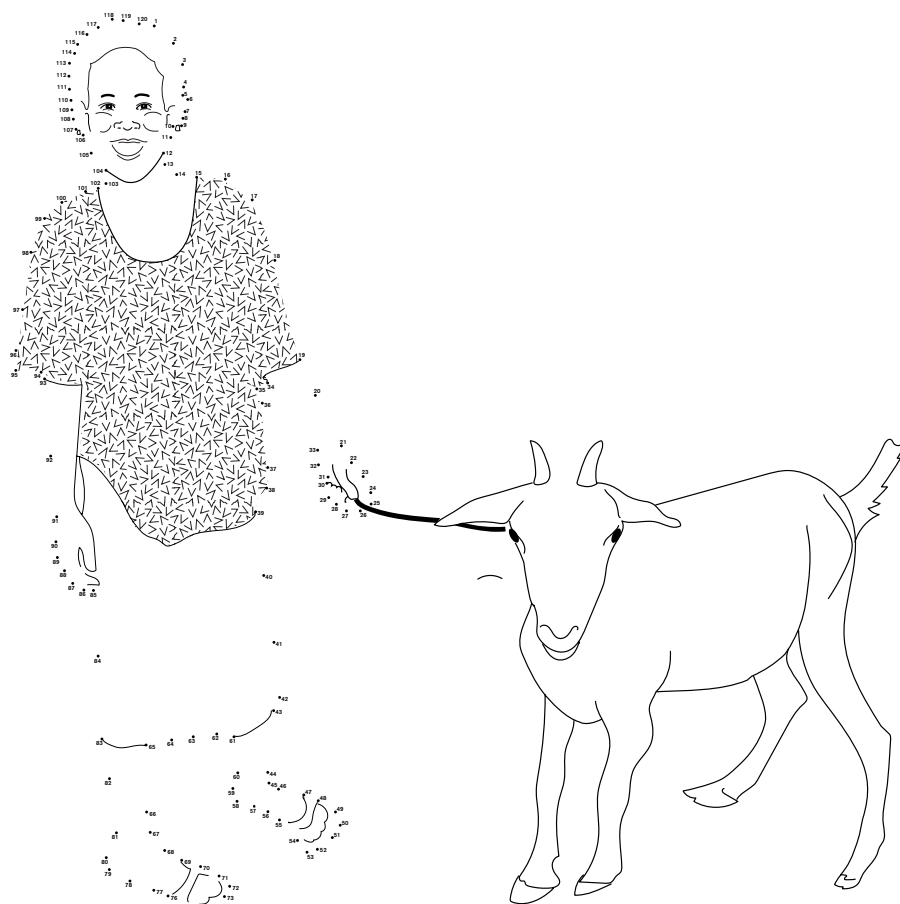
Ask your local veterinary worker how to get treatment for your livestock.



NOW YOU KNOW ABOUT BILHARZIA AND WHAT TO DO ABOUT IT.

*Can you figure out what is hidden in the dots below?
Follow the numbers and dots to find the hidden pictures!*





With thanks to all our partners and collaborators for their support
with this project and the distribution of this colouring book



#ParasiteTroopers
www.rvc.ac.uk/schisto

