

MOST BLOOD TRAVELS RA → RV
AND FROM, HERE BLOOD BYPASSES
THE LUNGS & CONNECTS DIRECTLY
WITH THE AORTA VIA DUCTUS ARTERIOSUS
TO ALLOW O₂ + NUTRIENTS TO GET INTO
FOETAL BODY CELLS

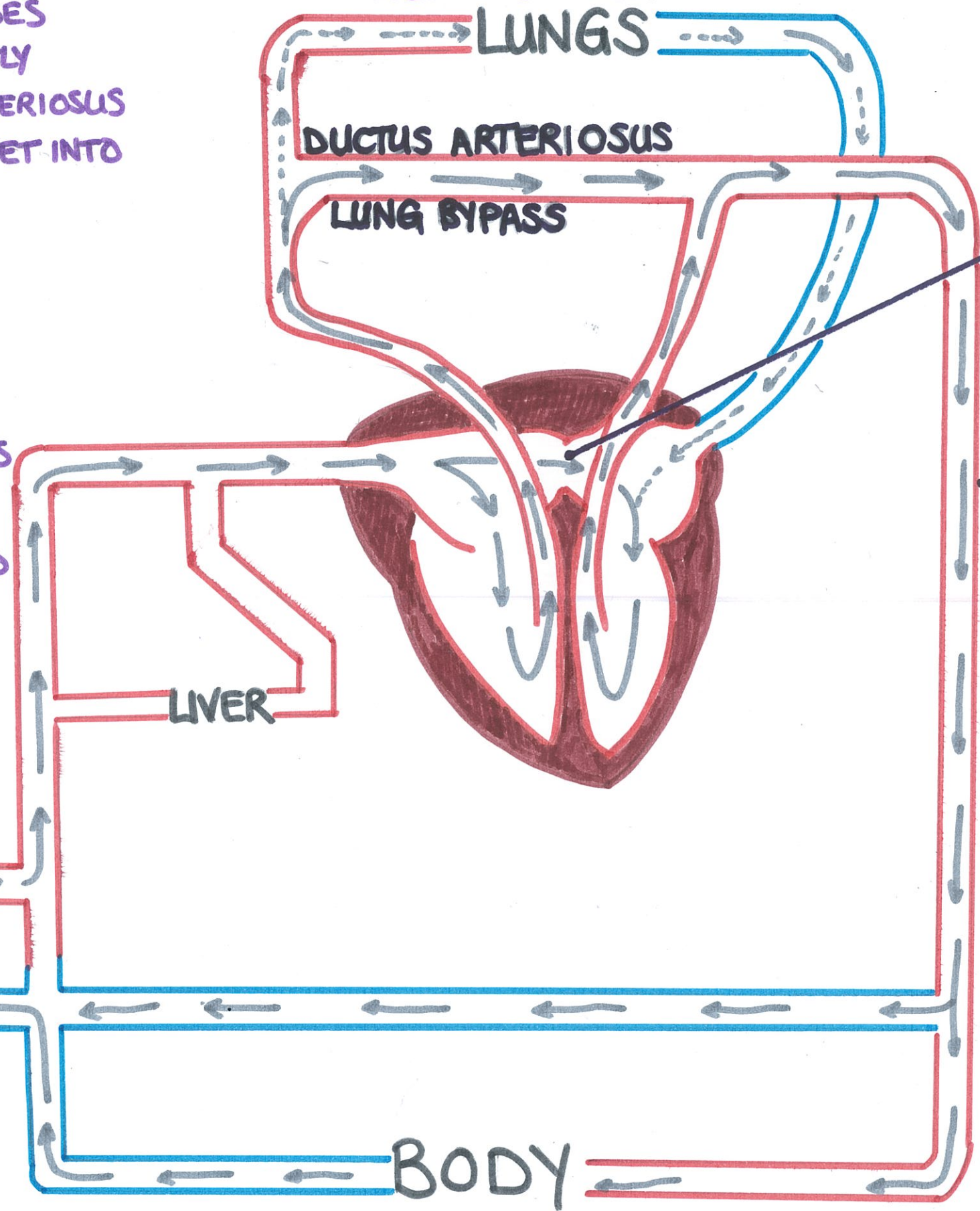
THE LUNGS ARE NOT INFLATED SO THERE
IS RESISTANCE TO AIR FLOW - RESULTS IN
VERY LITTLE BLOOD FLOW

LIVER CONSUMES A HIGH CONC.
OF O₂ AND PROCESSES NUTRIENTS
IN ORDER FOR FOETUS TO GET
THESE NUTRIENTS, THE LIVER IS
BYPASSED

DUCTUS
VENOSUS
(LIVER BYPASS)

OXYGENATED BLOOD GOES TO
THE FOETUS
UMBILICAL VEIN →

UMBILICAL ARTERY
DEOXYGENATED
BLOOD GOES BACK TO
THE MOTHER



FORAMEN
OVALE
BLOOD FLOWS
DIRECTLY FROM RA
TO THE LA THROUGH
A HOLE IN THE HEART.
THIS ALLOWS OXYGENATED
BLOOD TO GET AROUND THE
FOETUS' BODY

AORTA

TAKES BLOOD RICH IN
OXYGEN AND NUTRIENTS
FROM THE MOTHER TO THE
FOETUS

BODY