

# Parts list



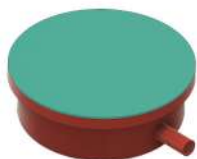
Stethoscope Y connector



Rubber pipe big



Ear buds x2



Stethoscope Diaphragm



Rubber pipe small x 2



Body parts set

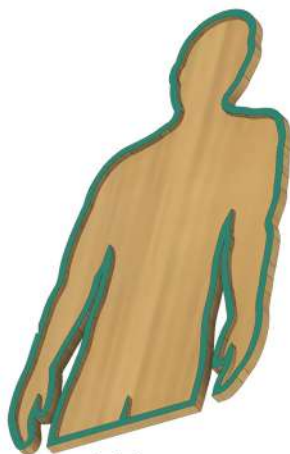


Body stencil

Pipe X2

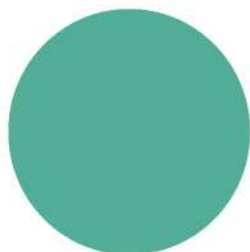


Picker X2



Body base

## SPARE



Round sticker



Ear buds x2



Stethoscope Y connector



Pipe X2

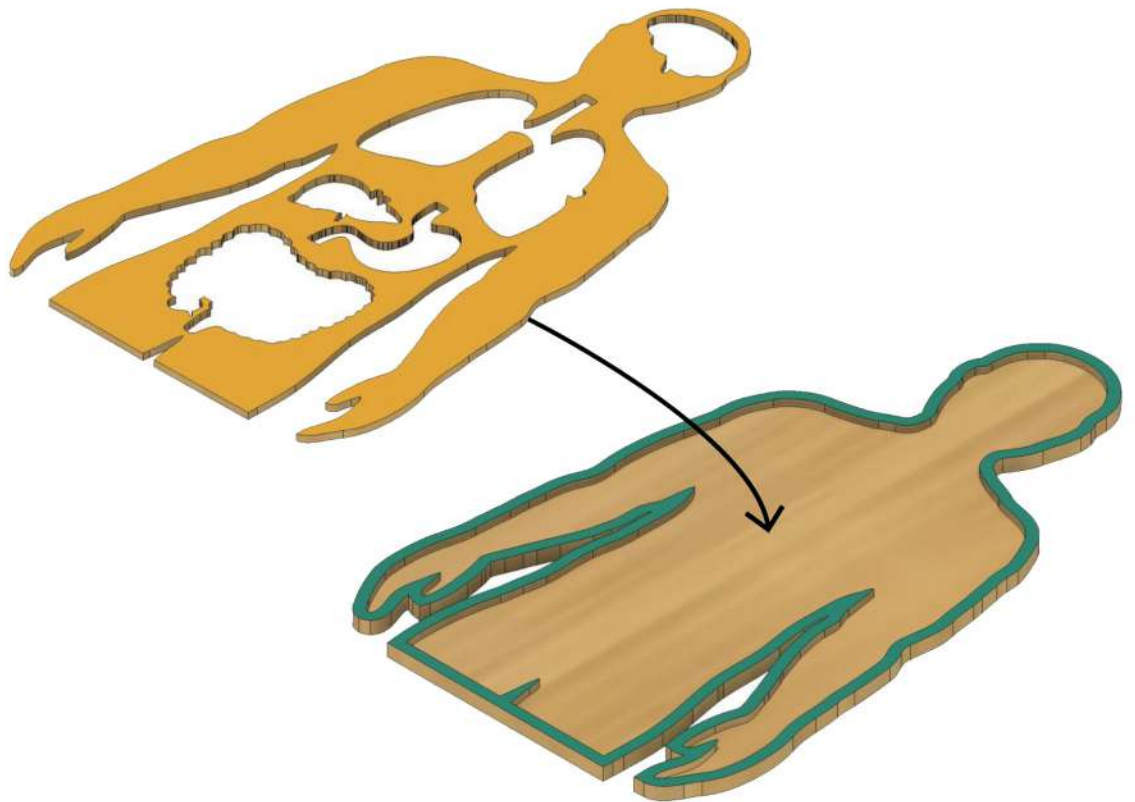
1



Take the Human body Stencil

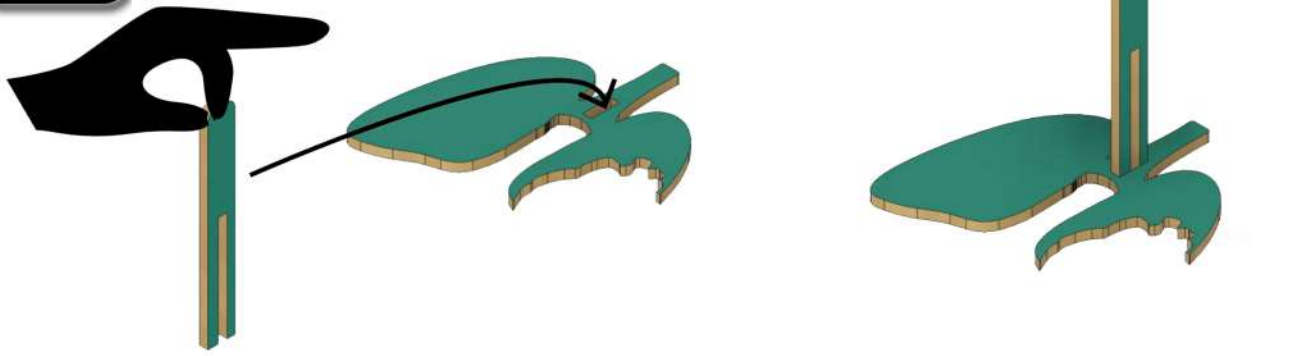
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2



Now place the second stencil over the first one  
as shown in the figure

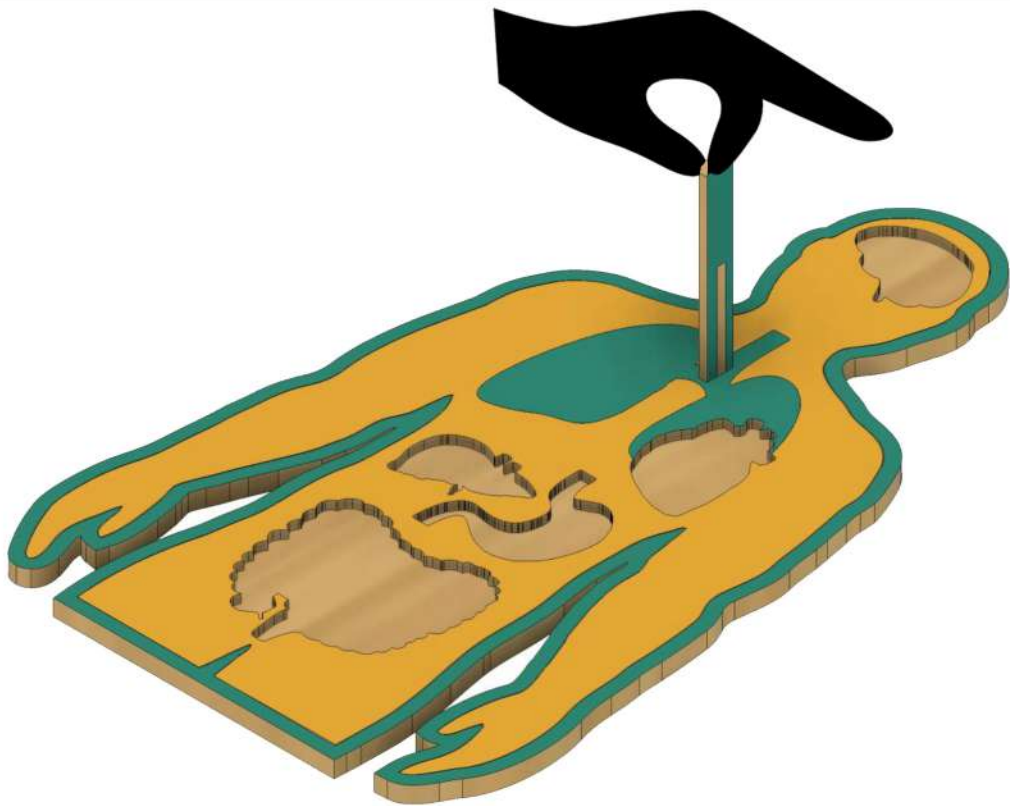
3



Take the picker and place it on the slot of Lungs to pick it up

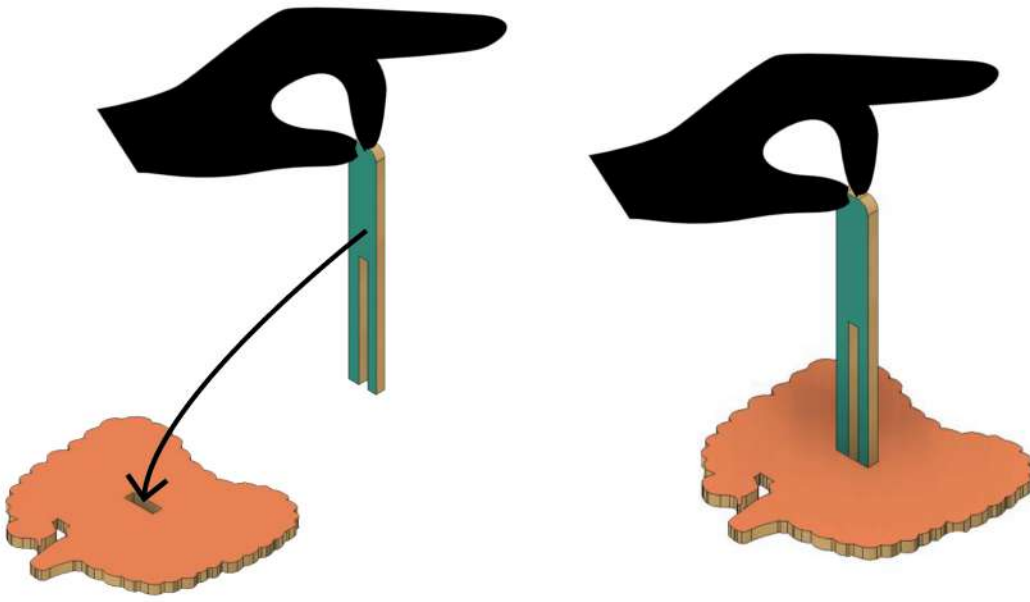
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4



Now pick the Lungs and place it on the slot shown in above image and remove the picker

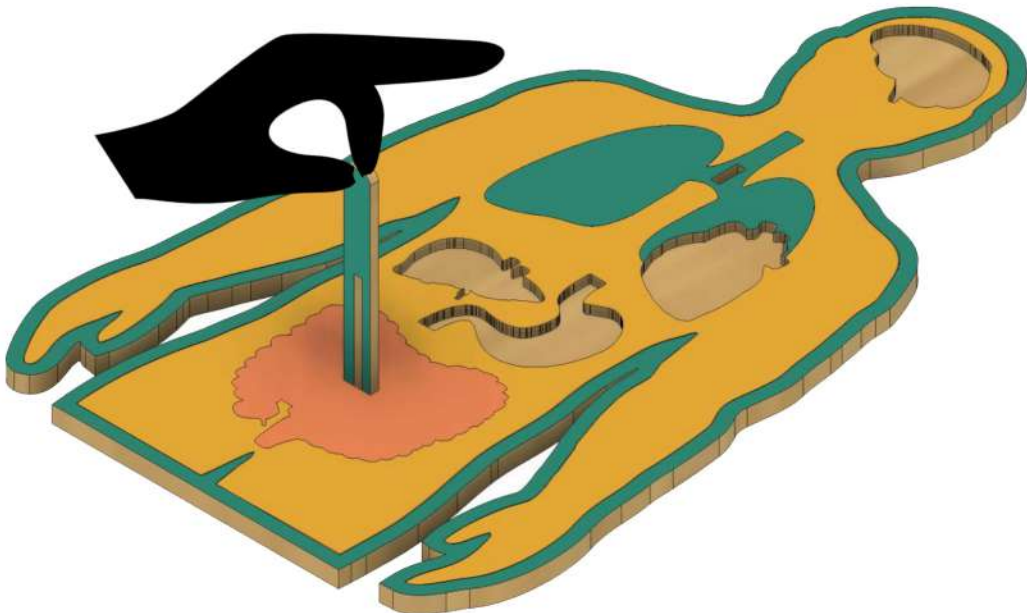
5



Take the picker and place it on the slot of intestines to pick it up

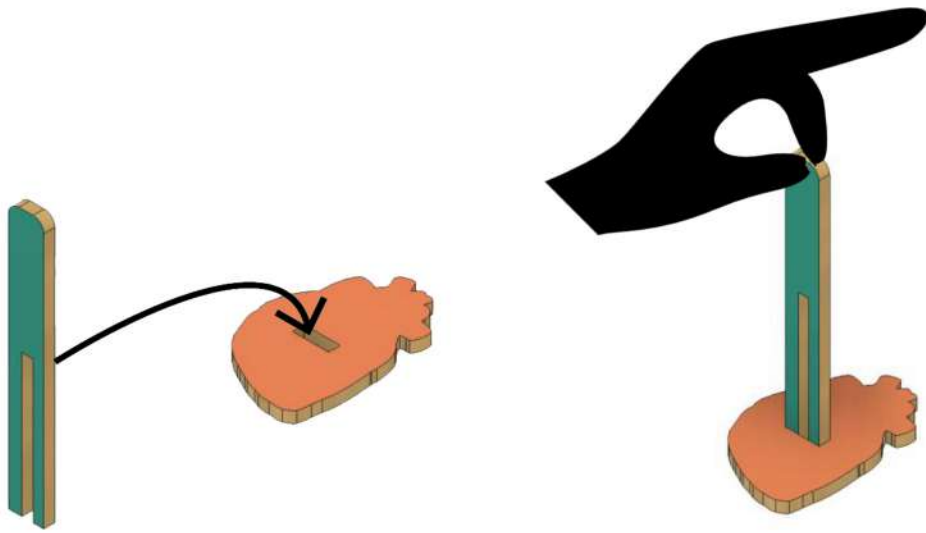
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6



Now pick the intestines and place it on the slot shown in above image and remove the picker

7



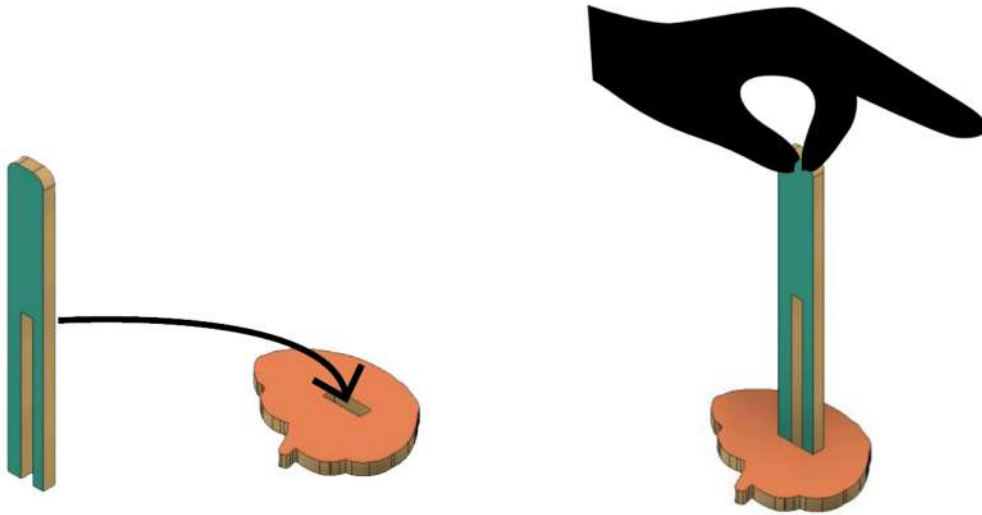
Take the picker and place it on the slot of Heart to pick it up

8



Now pick the Heart and place it on the slot shown in above image and remove the picker

9



Take the picker and place it on the slot of Brain to pick it up

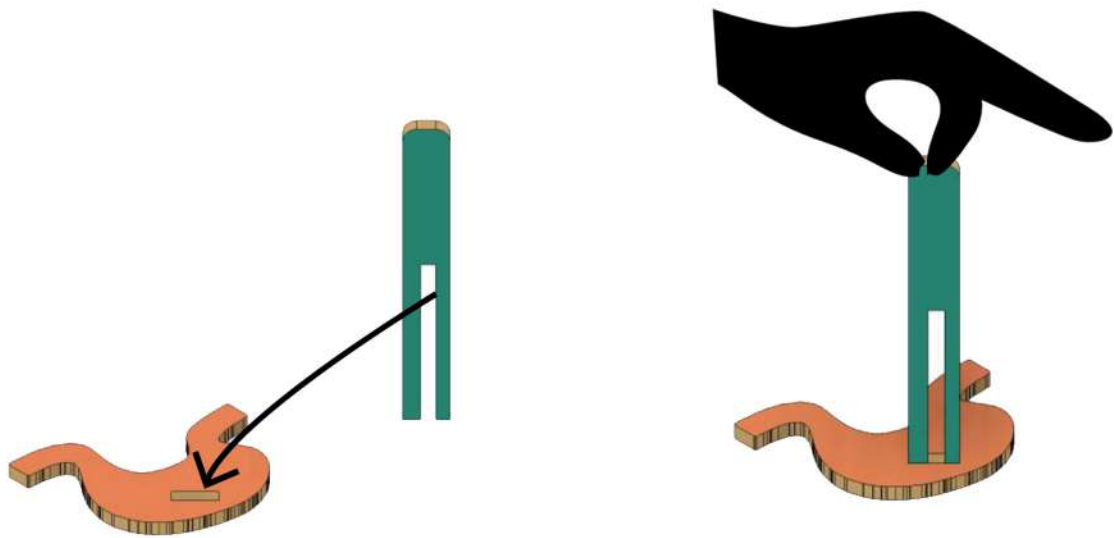
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10



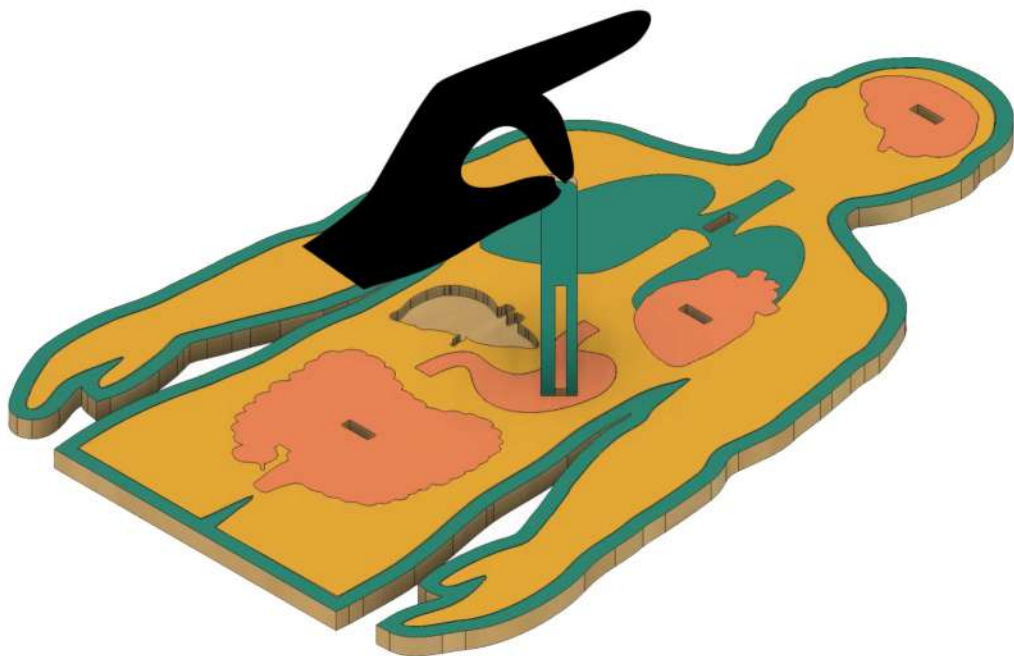
Now pick the Brain and place it on the slot shown in above image and remove the picker

11



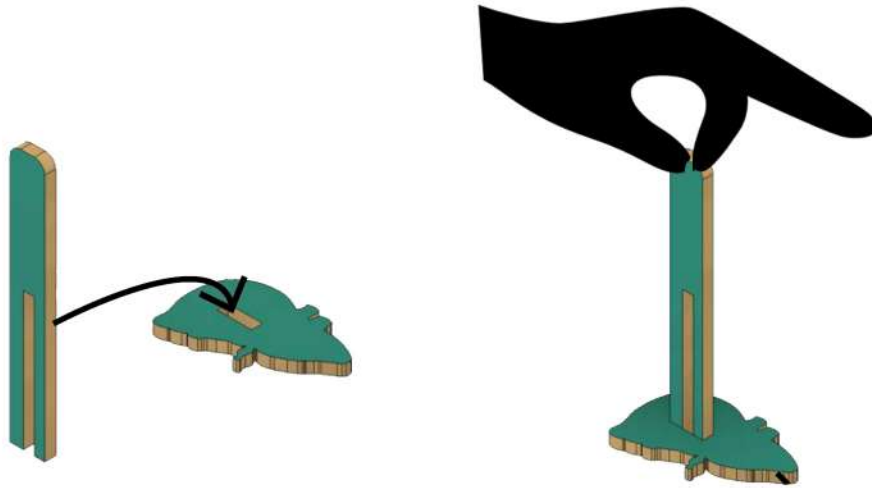
Take the picker and place it on the slot of Stomach to pick it up

12



Now pick the stomach and place it on the slot shown in above image and remove the picker

13



Take the picker and place it on the slot of Liver to pick it up

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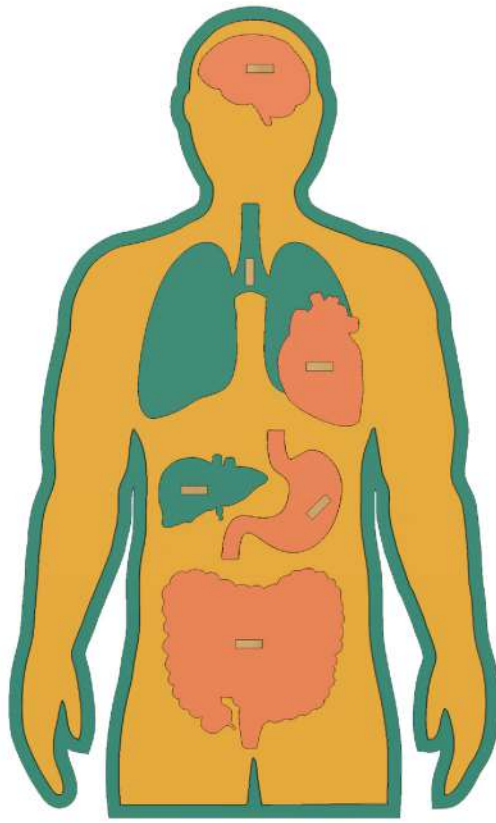
14



Now pick the Liver and place it on the slot shown in above image and remove the picker



15



Human body anatomy assembly has been completed

# HUMAN BODY

## AIM

To understand anatomy of human body

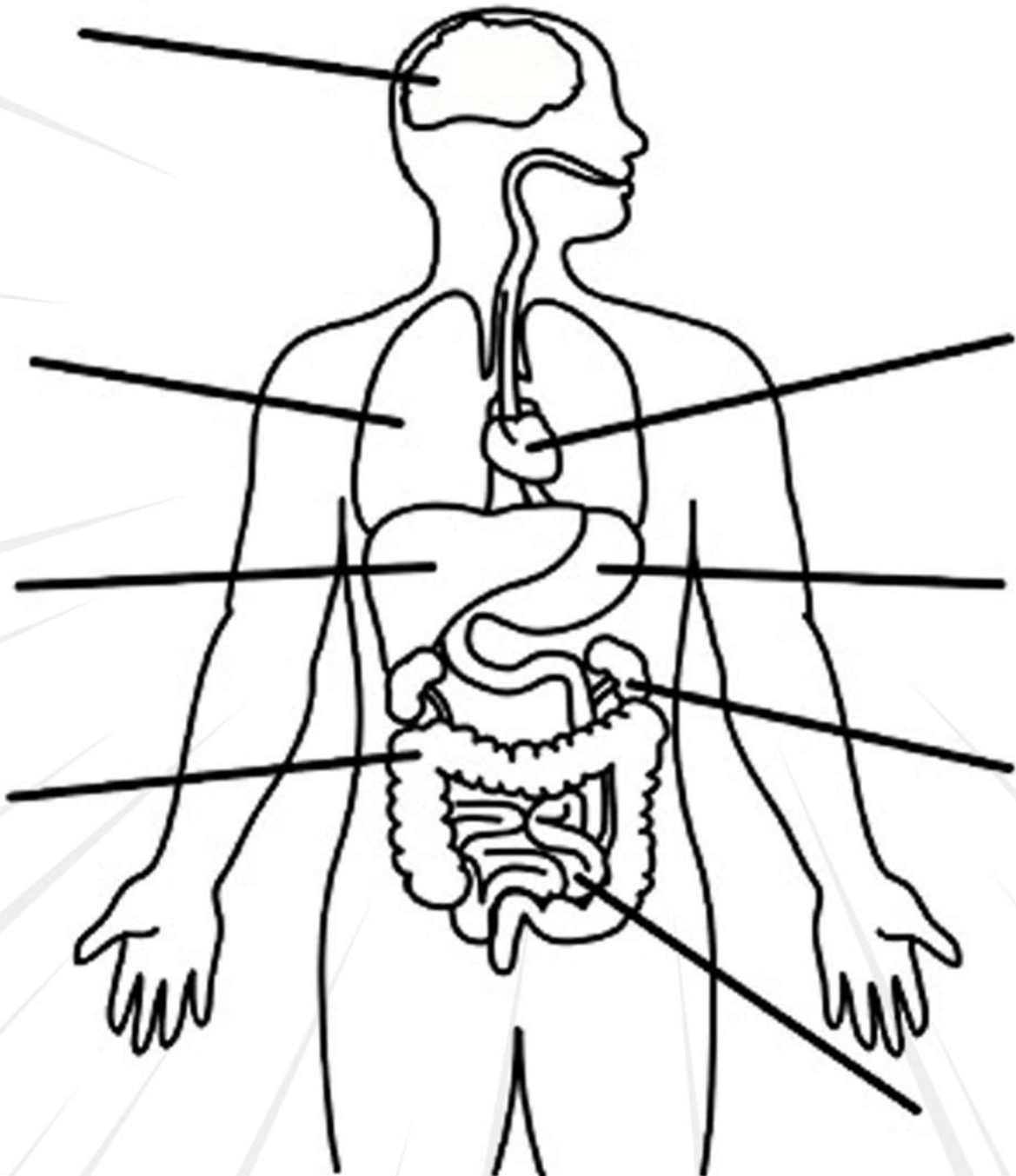
## INTRODUCTION

We take in food through the mouth, digest and utilise it. We breathe in oxygen and breathe out carbon dioxide. Have you ever wondered what really inside our body? Let's understand different parts of our body

## PROCEDURE

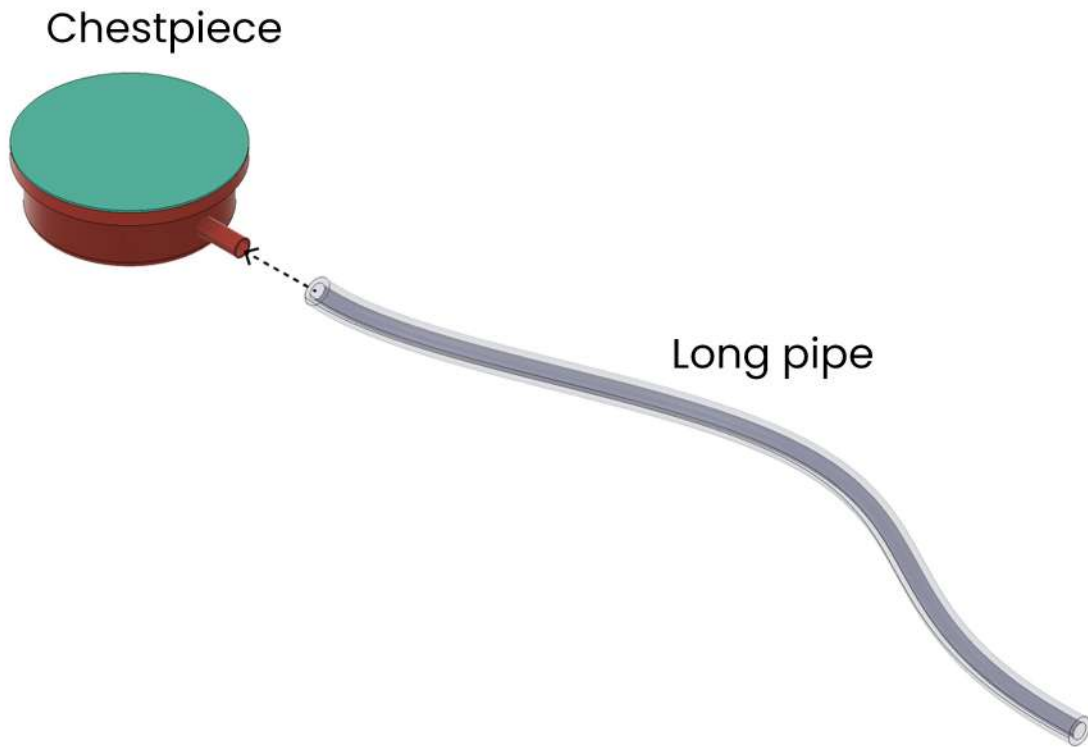
- Take the Human body set from the Jumanji box
- First arrange the base body as per building instructions.
- Can you identify the different parts of our human body?
- Now, using building instructions, Place the different parts in the position of body.

Identify and write different parts of our body?



# DIY Stethoscope

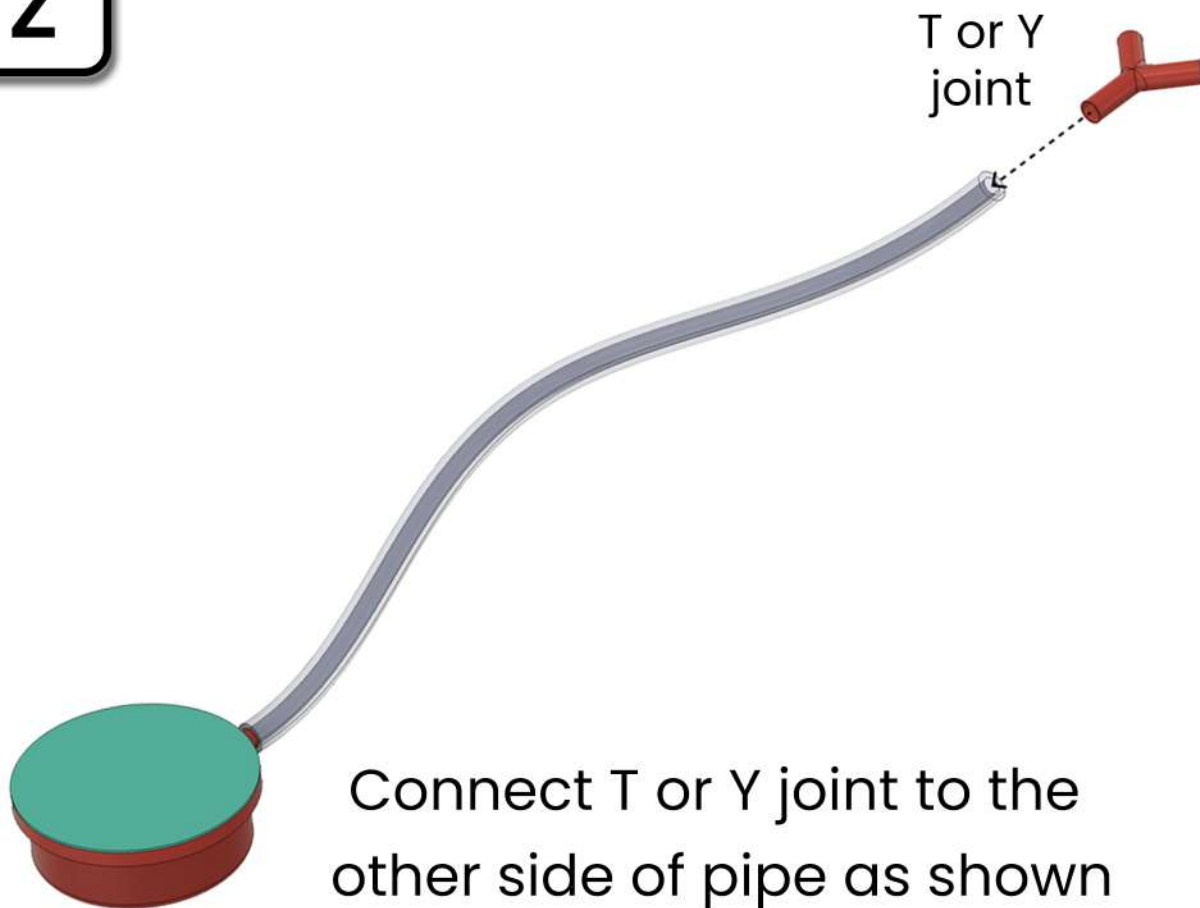
1



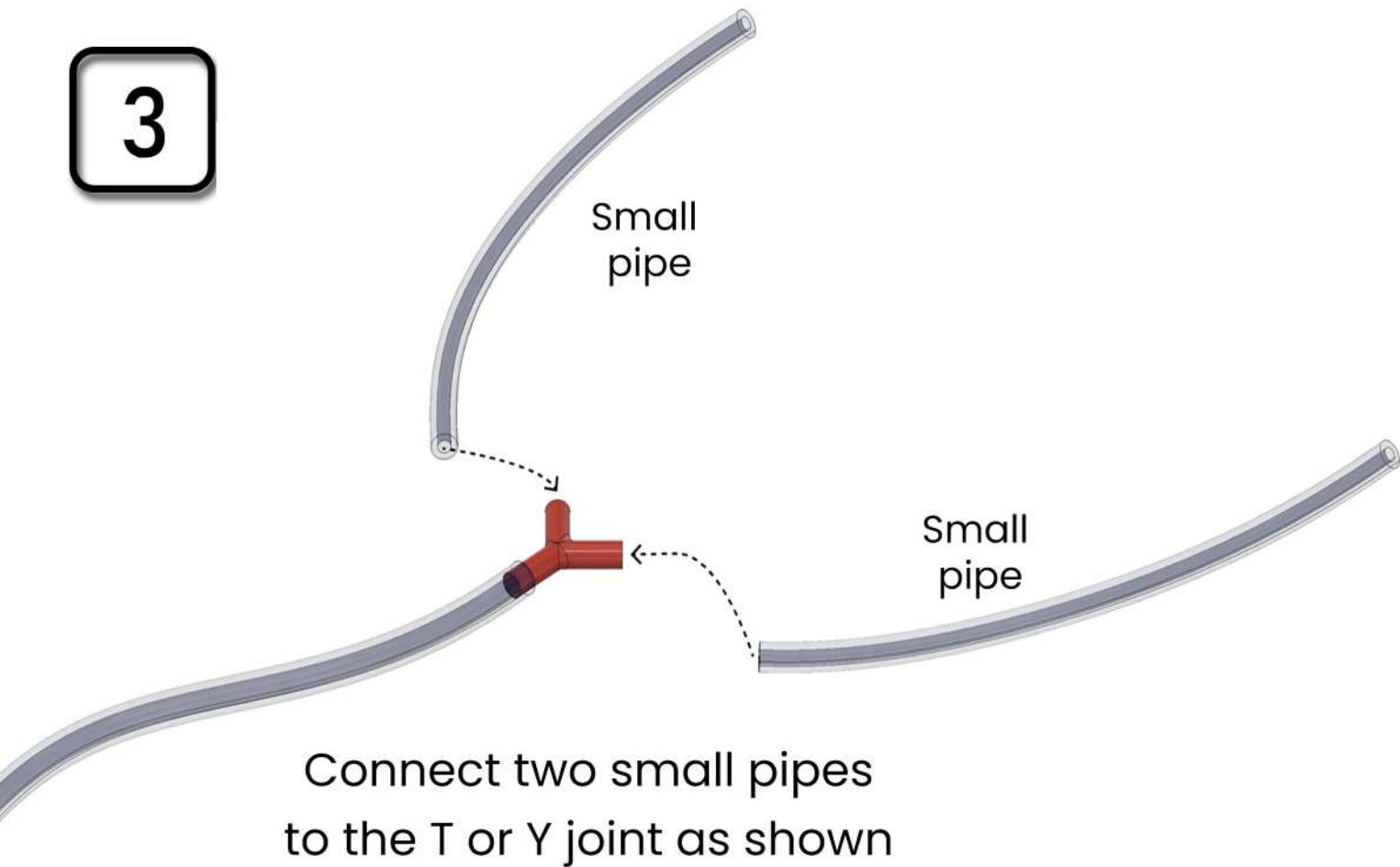
Fix the long pipe to the Chest piece

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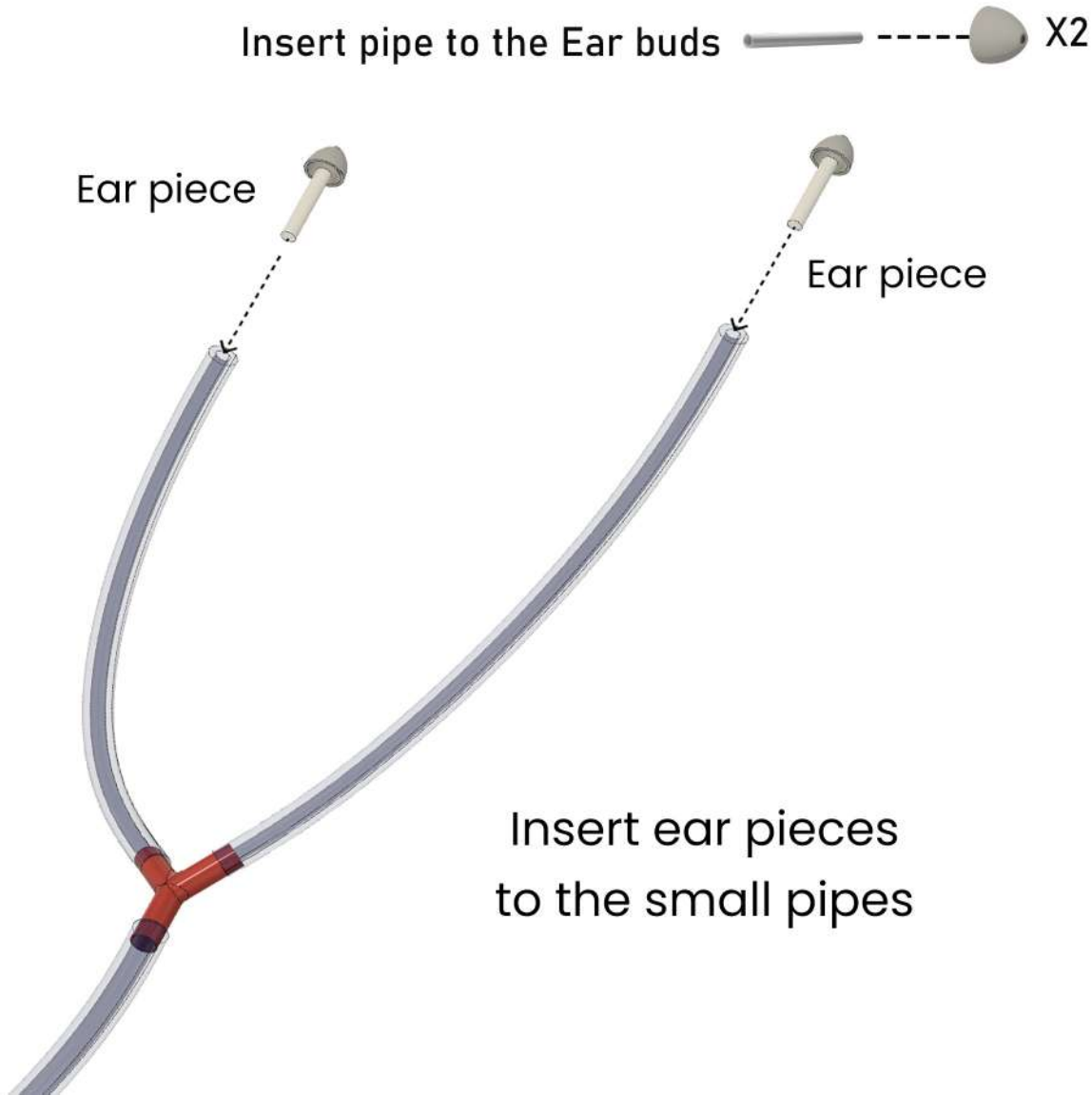
2



3



4



5



The Stethoscope is ready.  
Let's test it

6



# DIY Stethoscope

## AIM

To build and understand the working of a Stethoscope

## INTRODUCTION

You might have seen a Stethoscope, when you visited a Doctor. Do you know how it works? Let's build and understand it.

## WHAT DO YOU NEED?

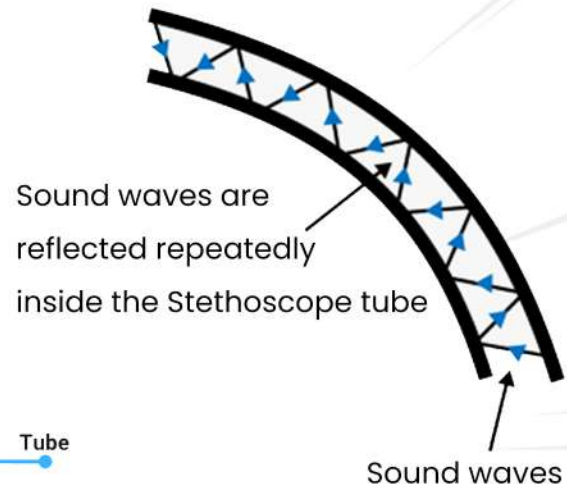
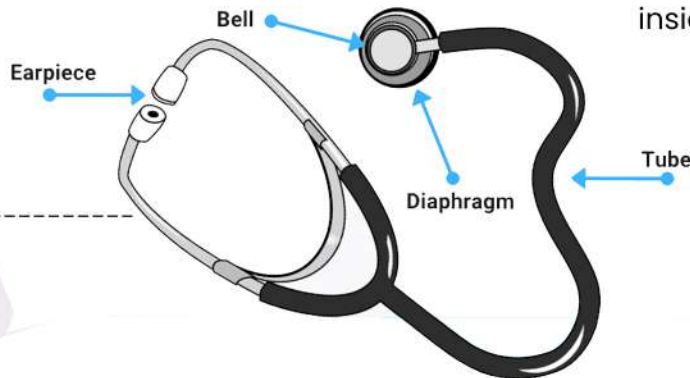
Ear pieces, Long tube, Small tubes X2, Diaphragm, Y-tube

## PROCEDURE

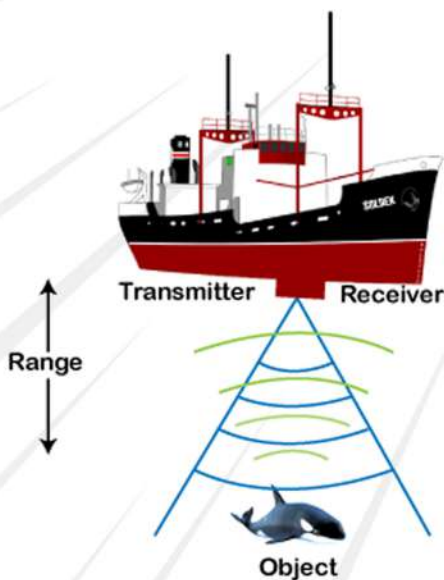
- Build the model as per building instructions. Place the diaphragm on your heart.
- Try listening to your heartbeat. Did you observe any sound. Test it with your friends too.
- Calculate the number of times you heart beat in 60 seconds. Try the same with your friends.

## THEORY

Stethoscope is a medical instrument used for listening to sounds produced within the body, chiefly in the heart or lungs. In stethoscopes the sound of the patient's heartbeat reaches the doctor's ears by multiple reflection of sound.



Reflection of sound is used to measure the distance and speed of underwater objects. This is known as SONAR.

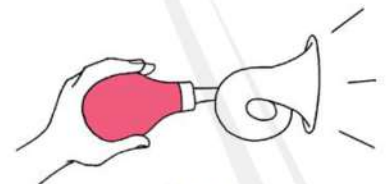


Active Sonar

Megaphones, horns, and musical instruments such as trumpets are all designed to send sound in a particular direction without spreading it in all directions.



Megaphone



Horn