

# Organisation



## Task 1: Describing tissues

a) **Identify** if the statements are true or false.

Statement	True	False
Tissues are only found in animals.		
Cardiac tissue is an example of a tissue.		
Leaves are organs.		
Each tissue is made of 5 cells.		
Cells work together to carry out functions.		
There is only one type of cell in the heart.		

b) **Explain** why the false statements are incorrect.

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## Task 2: Describing organs

a) **Sort** the organs into the correct organ system.

digestive system	respiratory system

diaphragm  
nose

large intestine  
small intestine

liver  
stomach

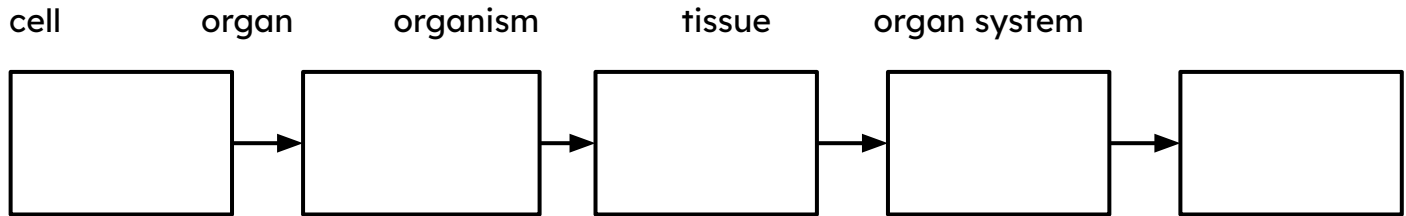
lung  
trachea

b) **Explain** why the heart is an example of an organ.



### Task 3: Describing organ systems

a) **Order** the following into the cell hierarchy diagram from smallest to largest.



b) **Explain** why the digestive system is an example of an organ system.

c) For the following organ systems, **state** the function of the system and the organs the system contains.

i) skeletal system

ii) nervous system



## Task 1: Describing tissues

a) **Identify** if the statements are true or false.

Statement	True	False
Tissues are only found in animals.		✓
Cardiac tissue is an example of a tissue.	✓	
Leaves are organs.	✓	
Each tissue is made of 5 cells.		✓
Cells work together to carry out functions.	✓	
There is only one type of cell in the heart.		✓

b) **Explain** why the false statements are incorrect.

*Statement 1 is false as all multicellular organisms have tissues. Plants are another example of multicellular organisms.*

*Statement 4 is false because tissues are made of much higher numbers of cells. Statement 6 is false because the heart is an organ which is made of different tissues. Each tissue is made of different cells.*

## Task 2: Describing organs

a) **Sort** the organs into the correct organ system.

digestive system	respiratory system
<i>large intestine liver small intestine stomach</i>	<i>diaphragm lung nose trachea</i>

diaphragm  
nose

large intestine  
small intestine

liver  
stomach

lung  
trachea

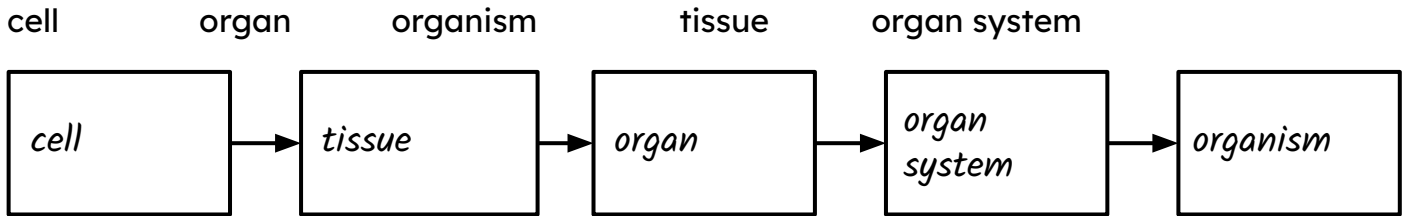
b) **Explain** why the heart is an example of an organ.

*The heart is an organ because it is made of different tissues and carries out a particular function in the circulatory system.*



### Task 3: Describing organ systems

a) **Order** the following into the cell hierarchy diagram from smallest to largest.



b) **Explain** why the digestive system is an example of an organ system.

*The digestive system is an example of an organ system because it is made of lots of different organs such as the stomach.*

c) For the following organ systems, **state** the function of the system and the organs the system contains.

i) skeletal system

*gives the body its shape, allows movement, makes blood cells, provides protection for organs*

*bones, cartilage, ligaments, tendons*

ii) nervous system

*responds to stimuli, maintains internal conditions, controls movement, memory*

*brain and spinal cord*